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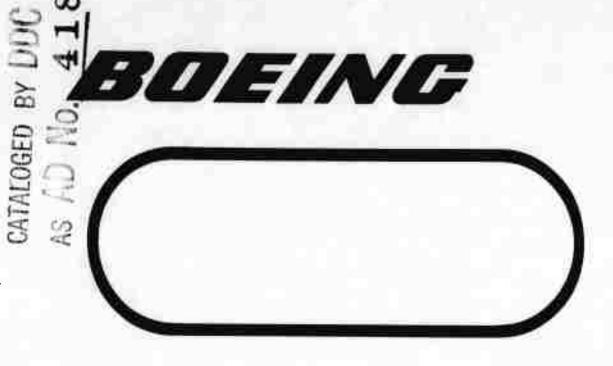
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This document is submitted in partial fulfillment of paragraph B(1.1.1.1.9.2) of Statement of Work, System 620A, Exhibit 620A-62-2, dated 26 January 1962, rewised 1 August 1962.

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NO. D2-80081 BOEING

SUMMARY

This document covers all test work and test results for Dyna-Soar EWA 5-652.*

These tests were performed to determine the effects of thermal gradients on ultimate shear strengths of shear webs and determine the effects of different types of loading on shear webs and panels.

Fourteen specimens were tested to failure. Specimens were of three different configurations.

The specimens were tested under two different types of loading and at room and elevated temperatures. The conditions simulated Dyna-Soar flight conditions.

The test specimen configurations, instrumentation, test plans, conditions and test results are detailed in this document section.

Test readings have been included in this report in the form of computer print-out data and hand written data. This data includes temperature, deflection, load and strain readings.

Photographs of each failed specimen and typical test setups are included in this report.

*See Reference Index on page 41-

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1.0 INTRODUCTION

The purpose of this document is to preserve and transmit test data collected and recorded during the corrugated shear web and panel tests.

Six corrugated shear webs representative of Dyna-Soar structural elements and eight corrugated shear panels representative of Dyna-Soar control surfaces were tested under various conditions. These tests simulated various loading and temperature conditions encountered by the glider during re-entry.

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- 2.0 TEST SPECIMENS AND INSTRUMENTATION
- 2.1 TEST SPECIMENS
- 2.1.1 Test specimen configurations are of three types.
- 2.1.2 Corrugated Shear Web Specimens LT-5652-1-1, -1-2, -1-3, -2-1, -3-1 and -3-2 were fabricated in accordance with BAC Drawing Part Number 25-80307-1.
- 2.1.3 Shear Panel Specimen LT-5652-6-1 thru -6-7 were fabricated in accordance with BAC Drawing Part Number 25-80578-1.
- 2.1.4 Shear Web Specimen LT-5652-8 was fabricated in accordance with BAC Drawing Part Number 25-80578-6.
- 2.1.5 The test specimens were designed and fabricated with angles, doubleve. fasteners, corrugated panels, and masses representative of the following structural elements.
 - 1. Spar support beams
 - 2. Torque box ends
 - 3. Control surface structural elements
 - 4. Rudder control surfaces
 - 5. Elevon control surfaces
- 2.1.6 Corrugated Rene' 41 sheet material of various gages was used for the fabrication of the control surface panels and shear web panels.

 Rene' 41 material was used also for the fabrication of the panel components.

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- 2.2 INSTRUMENTATION
- 2.2.1 The test specimens were instrumented as follows:
 - 1. #22-AWG refrasil insulated chromel-alumel thermocouples were spot-welded to the specimens to record test temperatures.
 - 2. Type FABR-12-12-56 Rosette strain gages were installed on the specimens to record strain.
 - EDI (Electrical Deflection Indicator) tabs were spot-welded to the specimen to record linear motion.
- 2.2.2 LT-5652-1-1 was instrumented with eight (8) EDI tabs located as shown in Figure 13.
- 2.2.3 IT-5652-1-2 was instrumented with eight (8) EDI tabs and ten (10)
 Rosette strain gages (3 channels each) located as shown in Figures 13
 and 19 respectively.
- 2.2.4 IT-5652-1-3 was instrumented with eight (8) EDI tabs and twenty (20)
 Rosette strain gages (3 channels each) located as shown in Figures 14
 and 20 respectively.
- 2.2.5 LT-5652-2-1, -3-1, and -3-2 each were instrumented with eight (8) EDI tabs and forty-five (45) thermocouples.
- 2.2.6 The EDI tabilications are shown in Figures 15 and 16. The thermo-couple locations are shown in Figure 5.
- 2.2.7 LT-5652-6-1 through -6-8 were instrumented with eight (8) EDI tabs as shown in Figures 17 and 18.
- 2.2.8 All strain gages were installed per instructions in Figure 1.

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- 3.0 TEST SETUP
- 3.1 Typical test setups are shown in Figures 23 through 29.
- 3.1.1 Specimens LT-5652-1-1, -1-2, -1-3, -2-1, -3-1, and -3-2 were mounted in a vertical position for shear loading. A stabilizing plate was used to resist torsional rotation and the specimens were pinned in two locations to provide a reaction normal to the hydraulic jack load line. See Figure 23.
- 3.1.2 Specimens LT-5652-6-1 through -6-8 were mounted in a horizontal position for shear and/or pressure loading. The specimens were pinned in four places with a hydraulic jack providing the shear load. A pressure box provided the pressure load. See Figures 24 through 26.
- 3.1.3 Specimen LT-5652-2-1 was mounted in a vertical position with upper and lower horizontal heat shields attached normal to shear web (see Figure 12 for test configuration). The heat lamps were mounted below the lower heat shield in a horizontal position as shown in Figures 27 and 28.
- 3.1.3.1 Babcock and Wilcox Company K-30 firebrick was used to surround the specimen to reduce heat loss due to radiation and convection (see firebrick support ring and firebrick photo in Figures 11 and 12, respectively)
- 3.1.4 Specimen LT-5652-3-1 and -3-2 were mounted in a vertical position without any upper or lower heat shields. The heat lamps were mounted parallel to specimen sides, top and bottom, as shown in Figure 29.
- 3.1.4.1 No firebrick was used on specimen LT-5652-3-1 and -3-2 elevated temperature tests.
- 3.1.5 The high density, air-cooled, radiant heater assemblies were attached to the lamp jigs.
- 3.1.5.1 Twenty-nine (29) high density; air-cooled, radiant heaters were used for heating test specimen LT-5652-2-1.
- 3.1.5.2 Eight (8) heating zones were used on specimen LT-5652-2-1 to maintain the required temperature gradient (see heat zone layout in Figure 21).
- 3.1.5.3 Sixteen (16) high density, air-cooled radiant heaters were used for heating test specimen LT-5652-3-1 and -3-2.
- 3.1.5.4 Nine (9) heating zones were used on specimens LT-5652-3-1 and -3-2 to maintain the required temperature gradient (see heat zone layout in Figure 22).

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- 3.1.6 Power to heat lamps was supplied by three (3) 440 KVA ignitron power controllers.
- 3.1.7 Control thermocouple data was recorded by strip chart recorders.
- 3.1.8 Monitor thermocouple data was recorded by a digital data system.

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- 4.0 TEST PROCEDURE
- 4.1 Corrugated shear web and panel tests were performed under various loading and temperature conditions.
- 4.2 LT 5-652-1 corrugated shear web test procedures.
- 4.2.1 Specimen LT 5-652-1-1 was tested at room temperature.
- 4.2.1.1 The shear load was applied in increments of 10% of the estimated ultimate load of 4450 pounds (see Figure 6 for loading scheme).
- 4.2.1.2 Electrical deflection indicator (EDI) readings were recorded at each load increment (see EDI readings in Figure 89).
- 4.2.1.3 The load program and actual recorded load curve appears in Figure 77.
- 4.2.2 Specimen LT 5-652-1-2 was tested at room temperature.
- 4.2.2.1 The shear load was applied in increments of 10% of the estimated ultimate load of 4450 pounds (see Figure 6 for loading scheme).
- 4.2.2.2 EDI readings were recorded at each load increment (see EDI readings in Figure 90).
- 4.2.2.3 The load program and actual recorded load curve appears in Figure 78.
- 4.2.2.4 Rosette strain gage readings were recorded by a digital data system (see readings in Figures 101 through 122).
- 4.2.3 Specimen LT 5-652-1-3 was tested at room temperature.
- 4.2.3.1 The shear load was applied in increments of 10% of the estimated ultimate load of 4500 pounds (see Figure 6 for loading scheme).
- 4.2.3.2 EDI readings were recorded at each load increment (see EDI readings in Figures 91 and 92).
- 4.2.3.3 The load program and actual recorded load curve appears in Figure 79.
- 4.2.3.4 Rosette strain gage readings were recorded by a digital data system (see readings in Figures 123 through 144).
- 4.3 LT 5-652-2 corrugated shear web test procedures.
- Specimen LT 5-652-2-1 was tested at approximately 1300° F. Heat was applied from below a re-radiating shield. The shear web was attached in a normal position to the lower heat shield. The original objective was to heat the specimen at the rate of 1° F./sec. to 1750° F. with intermediate holds for maintaining temperature differences as noted in Table 1, Figure 2, but heat losses in the test setup prevented the attainment of the desired heat program. Refer to Paragraph 4.3.1.3 for thermocouple readings.

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- 4.3.1.1 The shear load was applied in increments of 10% of the estimated ultimate load of 2380 pounds (see Figure 6 for loading scheme).
- 4.3.1.2 The load program and actual recorded load curve appears in Pigure 80.
- 4.3.1.3 The temperature, EDI, and load readings were recorded by a digital data system (see readings in Figures 146 through 173, Figures 174 through 181, and Figures 178 through 181, respectively).
- 4.4 LT-5652-3 corrugated shear web test procedures.
- 4.4.1 Specimen IT-5652-3-1 was tested at 1750°F with a 200°F temperature gradient as noted in Table 2, Figure 2. No upper or lower heat shields were used. The heat was applied directly to the sides, top, and bottom of the specimen. The temperature was increased at a rate of 2°F/sec to 1750°F with holds to maintain the temperature differences noted in Table 1, Figure 2.
- 4.4.1.1 The shear load was applied in increments of 10% of the estimated ultimate load of 2125 pounds (see Figure 6 for loading scheme).
- 4.4.1.2 The load program and actual recorded load curve appears in Figure 81.
- 4.4.1.3 The temperature, EDI, and load readings were recorded by a digital data system (see readings in Figures 182 through 206, Figures 207 through 212, and Figures 210 through 212, respectively).
- Specimen LT-5652-3-2 was tested at 1750°F with a 300°F temperature gradient as noted in Table 2, Figure 2. No upper or lower heat shields were used. The heat was applied directly to the sides, top, and bottom of the specimen. The temperature was increased at a rate of 1°F/sec to 1750°F with holds to maintain the temperature differences noted in Table 1, Figure 2.
- 4.4.2.1 The shear load was applied in increments of 10% of the estimated ultimate load of 2375 pounds (see Figure 6 for loading scheme).
- 4.4.2.2 The lead program and actual recorded load curve appears in Figure 82.
- 4.4.2.3 The thermocouple, EDI, and load readings were recorded by a digital data system (see readings in Figures 232 through 286, Figures 275 through 286, and Figures 281 through 286, respectively).
- 4.5 LT-5652-6 corrugated shear panel test procedures.
- 4.5.1 Specimens MT-5652-6-1 and -6-2 were tested at room temperature.
- 4.5.1.1 The shear loads were applied in increments of 10% of the estimated ultimate loads of 34.60 KIPS (see Figure 7 for loading scheme).

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- 4.5.1.2 No lead program was used on these tests.
- 4.5.1.3 EDI readings were recorded at each load increment (see EDI readings in Figures 93 and 94, respectively)
- 4.5.2 Specimens IT-5652-6-3, -6-4 and -6-5 were tested at room temperature.
- 4.5.2.1 The three (3) test loads were applied in increments of 10% of the estimated ultimate shear load of 12.15 KTPS. The three (3) test loads consisted of a shear load applied simultaneously with a surface pressure load in the ratio of 30 (load ratio = lbs. per inch of panel length/lbs. per sq. inch of panel surface). See Figures 7 and 8 for loading scheme.
- 4.5.2.2 The three (3) load vs. pressure programs and the actual recorded load vs. pressure curves appear in Figures 83, 84, and 85, respectively.
- 4.5.2.3 EDI readings were recorded at each load increment (see EDI readings in Figures 95, 96, and 97, respectively).
- 4.5.3 Specimens IT-5652-6-6 and -6-7 were tested at room temperature.
- 4.5.3.1 The two (2) test loads were applied in increments of 10% of the estimated ultimated shear load of 22.50 KIPS. The two (2) test loads consisted of a shear load applied simultaneously with a surface pressure load in a ratio of 100. (Load ratio = lbs. per inch of panel length/lbs. per sq. inch of panel surface) See Figures 7 and 8 for loading scheme.
- 4.5.3.2 The two (2) load vs. pressure programs and the actual recorded load vs. pressure curves appear in Figures 86 and 87, respectively.
- 4.5.3.3 EDI readings were recorded at each load increment (see EDI readings in Figures 98 and 99, respectively)
- 4.5.4 Specimen I/T-5652-6-8 was tested at room temperature.
- 4.5.4.1 Prior to testing the specimen was subjected to a heat cycle. The specimen was heated to 1200°F at a rate of 5°F/sec. and held at 1200°F for five (5) minutes. Then the panel was cooled to 500°F at a rate of 5°F/sec., then air cooled to room temperature.
- 4.5.4.2 A test load was applied in increments of 10% of the estimated ultimate shear load of 22.5 KIPS. The test load consisted of a shear load applied simultaneously with a surface pressure load in a ratio of 100. (Load ratio = 1bs. per inch of panel length/lbs. per sq. inch of panel surface) See Figures 7 and 8 for loading scheme.

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- 4.5.1.2 No lead program was used on these tests.
- 4.5.1.3 EDI readings were recorded at each load increment (see EDI readings in Figures 93 and 94, respectively)
- 4.5.2 Specimens IT-5652-6-3, -6-4 and -6-5 were tested at room temperature.
- 4.5.2.1 The three (3) test loads were applied in increments of 10% of the estimated ultimate shear load of 12.15 KIPS. The three (3) test loads consisted of a shear load applied simultaneously with a surface pressure load in the ratio of 30 (load ratio = lbs. per inch of panel length/lbs. per sq. inch of panel surface). See Figures 7 and 8 for loading scheme.
- 4.5.2.2 The three (3) load vs. pressure programs and the actual recorded load vs. pressure curves appear in Figures 83, 84, and 85, respectively.
- 4.5.2.3 EDI readings were recorded at each load increment (see EDI readings in Figures 95, 96, and 97, respectively).
- 4.5.3 Specimens IT-5652-6-6 and -6-7 were tested at room temperature.
- 4.5.3.1 The two (2) test loads were applied in increments of 10% of the estimated ultimated shear load of 22.50 KIPS. The two (2) test loads consisted of a shear load applied simultaneously with a surface pressure load in a ratio of 100. (Load ratio = 1bs. per inch of panel length/lbs. per sq. inch of panel surface) See Figures 7 and 8 for loading scheme.
- 4.5.3.2 The two (2) load vs. pressure programs and the actual recorded load vs. pressure curves appear in Figures 86 and 87, respectively.
- 4.5.3.3 EDI readings were recorded at each load increment (see EDI readings in Figures 98 and 99, respectively)
- 4.5.4 Specimen I/I-5652-6-8 was tested at room temperature.
- 4.5.4.1 Prior to testing the specimen was subjected to a heat cycle. The specimen was heated to 1200°F at a rate of 5°F/sec. and held at 1200°F for five (5) minutes. Then the panel was cooled to 500°F at a rate of 5°F/sec., then air cooled to room temperature.
- 4.5.4.2 A test load was applied in increments of 10% of the estimated ultimate shear load of 22.5 KIPS. The test load consisted of a shear load applied simultaneously with a surface pressure load in a ratio of 100. (Load ratio = 1bs. per inch of panel length/lbs. per sq. inch of panel surface) See Figures 7 and 8 for loading scheme.

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- 4.5.4.3 The load vs. pressure program and the actual recorded load vs. pressure curve appears in Figure 88.
- 4.5.4.4 EDI readings were recorded at each load increment (EDI readings appear in Figure 100).

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- 5.0 TEST RESULTS
- 5.1 Corrugated shear web and panel test results include EDI, thermocouple and load readings, ultimate loads, and photographs of failures.
- 5.2 IM-5652-1 corrugated shear web test results.
- 5.2.1 Specimen LT-5652-1-1 buckled across the corrugations as shown in Figures 30 through 32. After buckling, the specimen continued to carry the increasing load until testing was terminated at 160% of the estimated ultimate load or 7120 pounds.
- 5.2.2 Specimen LT-5652-1-2 buckled across the corrugations as shown in Figures 33 and 34. After buckling, the specimen continued to carry the increasing load until testing was terminated at 180% of the estimated ultimate load or 8010 pounds.
- 5.2.3 Specimens LT-5652-1-3 buckled across the corrugations as shown in Figures 35 and 36. After buckling, the specimen continued to carry the increasing load until testing was terminated at 130% of the estimated ultimate load or 5850 pounds.
- 5.3 IN-5652-2 corrugated shear web test results.
- 5.3.1 Specimen IT-5652-2-1 buckled and was torn across the corrugations as shown in Figures 37 and 38. After buckling occurred, the specimen continued to carry the increasing load until failure occurred at 250% of the estimated ultimate load or 5950 pounds. Test temperature was approximately 1300°F.
- 5.4 IM-5652-3 corrugated shear web test results.
- 5.4.1 Specimen IN-5652-3-1 buckled across the corrugations as shown in Figures 39 and 40. After buckling occurred, the specimen continued to carry the increasing load until testing was terminated at 190% of the estimated ultimate load or 4040 pounds. Test temperature was 1750°F with a 200° gradient.
- 5.4.2 Specimen IT-5652-3-2 buckled across the corrugations as shown in Figures 41 and 42. After buckling occurred, the specimen continued to carry the increasing load until the testing was terminated at 190% of the estimated ultimate load or 4510 pounds. Test temperature was 1750°F with a 300°F gradient. After being at the temperature of 1750°F for 3.5 minutes, a power failure occurred. The temperature dropped to 350°F before power was restored. After power restoration, the temperature was raised to 1750°F for completion of testing.

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SECT. PAGE 19

REV SYM____

- 5.5 LT-5652-6 corrugated shear panel test results.
- 5.5.1 Specimen IT-5652-6-1 buckled and was torm as shown in Figures 44: through 47. Specimen failure occurred at 26.0 Kips.
- 5.5.2 Specimen LT-5652-6-2 buckled and was torn as shown in Figures 48 through 52. Specimen failure occurred at 24.8 Kips.
- 5.5.3 Specimen LT-5652-6-3 buckled and was torn as shown in Figures 53 through 59. Specimen failure occurred at 130% of the estimated ultimate load or 15.80 Kips.
- 5.5.4 Specimen LT-5652-6-4 buckled and was torn as shown in Figures 60 and 61. Specimen failure occurred at 136% of the estimated ultimate load or 16.45 Kips.
- 5.5.5 Specimen LT-5652-6-5 buckled and was torn as shown in Figures 62 through 67. Specimen failure occurred at 156% of the estimated ultimate load or 18.95 Kips.
- 5.5.6 Specimen LT-5652-6-6 buckled and was torn as shown in Figures 68 through 70. Specimen failure occurred at 98% of the estimated ultimate load or 22.05 Kips.
- 5.5.7 Specimen LT-5652-6-7 buckled and was torn as shown in Figures 71 through 73. Specimen failure occurred at 97% of the estimated ultimate load or 21.85 Kips.
- 5.5.8 Specimen LT-5652-6-8 buckled and was torn as shown in Figures 74 through 76. Before testing, the specimen was thermal-cycled up to 1200°F and cooled to R.T. Specimen failure occurred at 106% of the estimated ultimate load or 23.85 Kips.
- 5.6 See page 21 for tabulated test results.

2-8142-2

ADOIALED 1.	EST RESULTS								1 4	·:,
PANEL NO.	DWG.			TYPE				AGE t*		MAX. PRESSU
	1	8*	b*	C*	d*	e*		nches		207
		In.	In.	In.	In.	In.	SKIN	CORRUGATION		PSI
л5652-1-1	25-80307-1	8	18	-75	.542	.50		.010	72	0
-1-2									72	0
-1-3									72	0
-2-1				·					1300	0
-3-1		Y _		Ψ				**	1750 to 1550	0
LT5652-3-2	25-80307-1	8	18	.7 5	.542	.50		.010	1750 to 1450	0
LT5652-6-1	25-80578-1	15	35	•75	.250	-75	.008	.010	72	0
-6-2				1				1	1	0
-6-3										14.8
-6-4										15.3
-6-5			.							17.8
-6-6	v									6.0
-6-7	25-80578-1	I	Y	•		V			-	6.
LT5652-6-8	25-80578-6	15	35	-75	.250	.75	.008	.010	72	6.

Buckling load initiation determined from EDI readings of DOI recorded for LT-5652-1-1 thru -3-2 (see fig. 13 thru 16 for locations) and from EDI readings of DO2 recorded for LT-5652-6-1 thru -6-8. (see Fig. 17 for locations).

Buckling stress = buckling load / (a) (tskin + tcorrug)

Calculated from strain rosette gage readings (E = 30,000,000 PSI at room temperature). See Page 22 for extrapolation of calculated shear stress to panel edge support q.

See tabulated data: Fig. 101 thru 111

See tabulated data: Fig. 123 thru 133

Buckling Stress = Buckling Load

(b) (t_{skin} + t_{corrug})

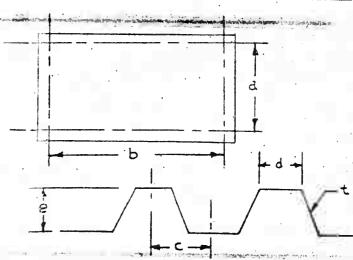
CALC	710	8-16	REVIS
CHECK			
APR.			
APR.	RRC	8-23	

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e*		AGE t*	MEASURED PANEL TEMP.	MAX. PRESSURE	BUCKLING LOAD	AVG BUCKLING STRESS	MEASURED STRAIN BUCKLING 100's of	CALCULATED STRESS EUCKLING STRAIN	ULT.
In.	SKIN	CORRUGATION	•F.	PSI	1 Lbs.	PSI	Micro In/In	PSI	Ib.
.50		.010	72	0	6,230	₹ 77900			7,120
			72	0	6,675	83400	A	62000	8,010
	_		72	0	5,400	67500	S	53000	5,850
			1300	0	5,476	68400			5,950
			1750 to 1550	0	2,466	30800		·	4,040
.50		.010	1750 to 1450	0	2,273	28400		<u>:</u>	4,510
75	.008	.010	72	0	24,220	6> 4 38500			26,000
	1	†		0	24,220	38500			24,800
				14.8	13,370	21200	<u> </u>		15,800
				15.3	12,150	19300			26,450
				17.8	12,150	19300			18,950
				6.05	18,000	28600			22,050
7	¥	Į.		6.10	20,250	32100			21,850
-75	.008	.010	72	6.75	20,250	32100			23,850

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CALC	710	8-16	REVISED	DATE	The A CONTRACTOR AND CONTRACTOR AND THE AREA OF THE AND THE AN	
CHECK					. Ale or or or the	5-652
APR.					TABULATED TEST RESULTS	D2-80081
APR.	RRC	8-23			BOEING AIRPLANE COMPANY	PAGE
				,	SEATTLE 24, WASHINGTON	21

BAC 1656-R2

80 LT 5652-1-2 25-80307-1 0 LING LOAD = 6675 LBS 00 SHEAR ATED VERTICAL COMPONENT OF MAX SHEAR STRESS REF. - FIGS 112 THRU 122 0 40 0 FOR TABULATED DATA REP. FIG 19 FOR LOCATION 80 STREETS LT 5652-1-3 60 (DWG 25-80307-1) BUCKLING LOAD = 5400 LBS CALCULATED VERTICAL COMPONENT OF MAK SHEAR STRESS REF, - FIGS 134 THEW 144 AFAC COTALUEAT DOTA REF. FIG TO FOR LOCATION CALC TEST RESULTS CHECK PANEL VERTICAL SHEAR STRESS 5652 AFR 7/27 REL (CALCULATED) 6008-50 APR PAGE THE BOSING COMPANY 22

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- TEST OBSERVATIONS CONTRACTOR OF THE PROPERTY O 6.0
- 6.1 LT-5652-1 corrugated shear web tests representative of Dyna-Soar structural elements.
- 6.1.1 LT-5652-1-1, -1-2 and -1-3 tests were performed without any malfunctions or delays.

With the said

- 6.1.1.1 All tests were conducted at room temperature and applicable readings (strain, deflection and load) were recorded.
- LT-5652-2 corrugated shear web tests simulating an interior structure 6.2 element.
- 6.2.1 LT-5652-241 test was performed satisfactorily except as noted in 4.3.1.
- 6.2.1.1 The lower heat shield temperature was increased at a rate of 1°F/sec to 1150°F and held for eleven minutes. The hold period was required to allow the temperature difference between thermocouples "A" and "B" (located on lower angle assembly) to decrease from 240°F to 175°F (250°F maximum allowable).
- 6.2.1.2 When the difference was 175°F, the lower heat shield temperature was increased to 1600°F. A ten minute hold was required to decrease the temperature difference between thermocouples "A" and "B" from 225°F to 175°F.
- 6.2.1.3 The temperature was then increased to 1750°F on the heat shield.
- 6.2.1.4 To maintain a temperature difference of 150°F to 175°F, the lower heat shield (adjacent to the lower fitting) was held at 1580°F.
- 6.2.1.5 All deflection, load, and thermocouple readings were recorded.
- 6.2.1.6 After failure, the specimen was allowed to air cool.
- LT-5652-3 corrugated shear web tests simulating interior structural 6.3 elements. I'm your mythy one of he go.
- IIT-5652-3-1 test was performed satisfactorily. 6.3.1
- 6.3.1.1 The lower and upper heat shields were omitted with the heat applied directly to the specimen.
- 6.3.1.2 The base temperature of 1750°F with a 200°F gradient was obtained by varying power to the heat lamps in the various heat zones.

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Brilly of the

- 6.3.1.3 During the heatup time, several hold periods were required to maintain temperatures within specified limits.
- 6.3.1.4 After failure, specimen was slowly cooled to maintain temperature differences.
- 6.3.1.5 All deflection, load and thermocouple readings were recorded.
- 6.3.2 LT-5652-3-2 test was performed satisfactorily.
- 6.3.2.1 The lower and upper heat shields were omitted with the heat applied directly to the specimen.
- 6.3.2.2 The base temperature of 1750°F with a 300°F gradient was obtained by varying power to the heat lamps in the various heat zones.
- 6.3.2.3 During the heat up time, several hold periods were required to maintain temperatures within specified limits.
- 6.3.2.4 The design temperature was reached and held for 3.5 minutes when a power failure occurred.
 - 6.3.2.5 The temperature difference on thermocouples 40 and 42 (on shear fitting) reached 350°F before power could be restored.
 - 6.3.2.6 When the power was restored, the temperature was increased to 1750°F.
- 6.3.2.7 After failure, specimen was cooled to maintain temperature differences.
- 6.3.2.8 All deflection, load and thermocouple readings were recorded.
- 6.4 IT-5652-6 corrugated shear panel tests simulating Dyna-Soar control surfaces.
- 6.4.1 IT-5652-6-1, -6-2, -6-4, -6-5, -6-6 and -6-7 tests were performed without any malfunctions.
- 6.4.2 LT-5652-6-3 test had a malfunction when the test jigs failed. After the jig was repaired, testing was resumed without further delays.
- 6.4.3 LT-5652-6-8 test had a malfunction when in a reacting rod (see flagnote > in Figure (7) failed and minor panel damage occurred.

 After rod was replaced, testing was resumed. Panel was used with the minor damage.
- 6.4.4 All deflection, load and strain readings were recorded.

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STRAIN GAGING PROCEDURES Corrugated Shear Web Test LT-5652-1

- Lightly sand surface to be gaged with 150 grit emery paper. Keep sanding to a minimum.
- 2. Clean sanded area with C. P. ethyl acetate.
- 3. Clean underside of gage with C. P.* ethyl acetate. Trim gage as necessary to facilitate mounting.
- 4. Apply thin coat of EPY 150** to sanded area and to underside of gage.
- 5. Set gage down on desired location and cover with cellophone and rubber pad.
- 6. Immediately apply a constant load of 5-10 pounds and allow gage to dry for 2 hours.
- 7. Remove load and allow gage to cure 2 more hours.
- 8. Cure gages at 150°F for 2 hours.
- 9. Attach 6 inch transition leads to each gage and tack them down with a small amount of Epon 6 near the gage.
- 10. Attach 20 feet long No. 20 AWG vinyl insulated leads to the transition leads. Color code the leads as follows: gage A red, gage B white, gage C black. Identify each pair of leads by tagging them with the respective gage numbers.
- 11. Mount two gages on a Rene'41 dummy plate and wire them in the same manner as above. Label the leads on one gage "pilot" and the leads on the other "standard".
- 12. Mount 2 strain gage "J" boxes on a plywood board and label them No. 1 and No. 2 respectively.

GAGE

Type: FABR***-12-12-56
Resistance: 120.5 ± .5
Factor: 2.05 ± 1%
Lot: 211-J

*C.P. = Commercially Pure

**EPY 150 = Epoxy Adhesive 150

(Manufactured by Baldwin-Lima-Hamilton)

***FABR = Foil - Constantin - Bakelite - Rosette

(Manufactured by Baldwin-Lima-Hamilton)

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BOEING NO. D2-80081

REV SYM.

6. -

TABLE 1

Difference btw'n thermocouples fittings off "A"A"B" which temp.	MAX. Temp. difference allowable during heat	MAX.Temp. difference allowable during/load application
Lower Fitting	250*7	175*7
Shear Fitting	200*7	175*7
Upper Fitting	250°F	175*F

TABLE 2

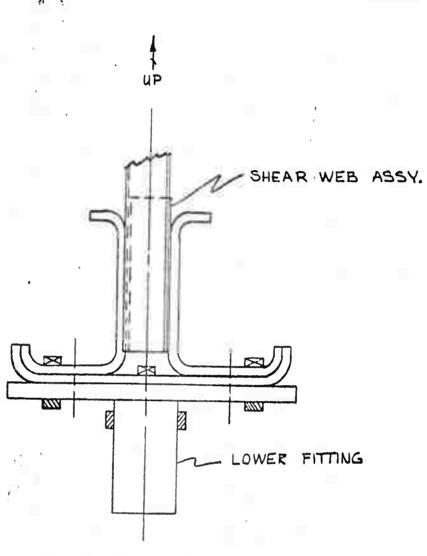
Control thermo- couple number	100°F Gradient	200°F Gradient	300°F Gradient
	Base temp. 1750°F	Base temp. 1750°F	Base temp. 1750°F
1	1750°F	1750°F .	1750°F
2 .	1711°F	1672°F	1633°F
3	1708°F	1654°F	1606°F
4	1698°F	1646°F	1594°F
5	1689°F	1628°F	1567°F
6	1650°F	1550°F	1450°F

for thermocouple locations.

for thermocouple locations.

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NO. D2-80081



SECTION B-B

(SEE FIG. 160-1)

TESTS ~LT-5652-2 \$ LT-5652-3

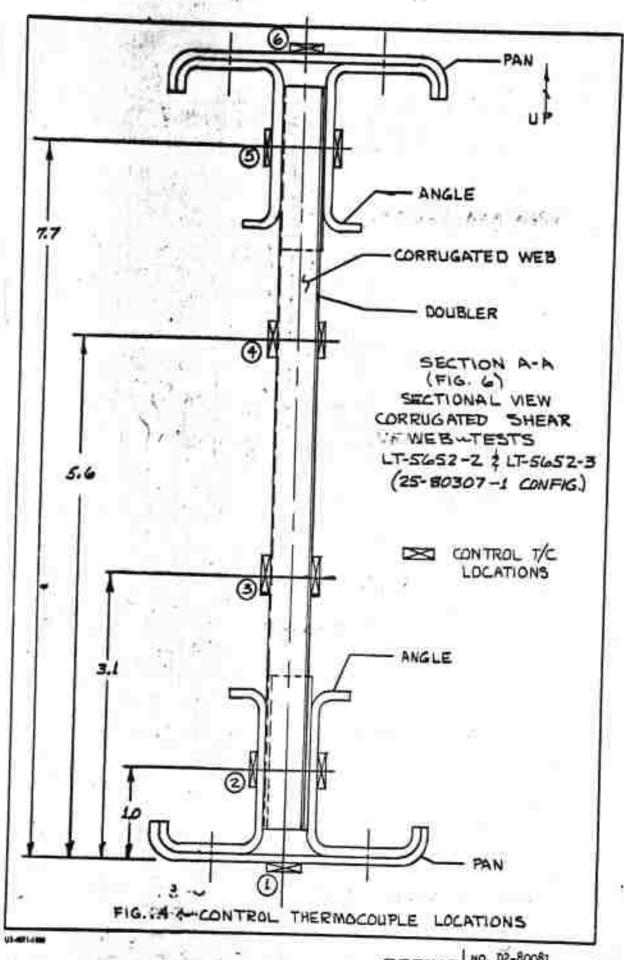
CONTROL THERMOCOUPLES "A"

CONTROL THERMOCOUPLES "B"

FIG. SI- CONTROL THERMOCOUPLE LOCATIONS

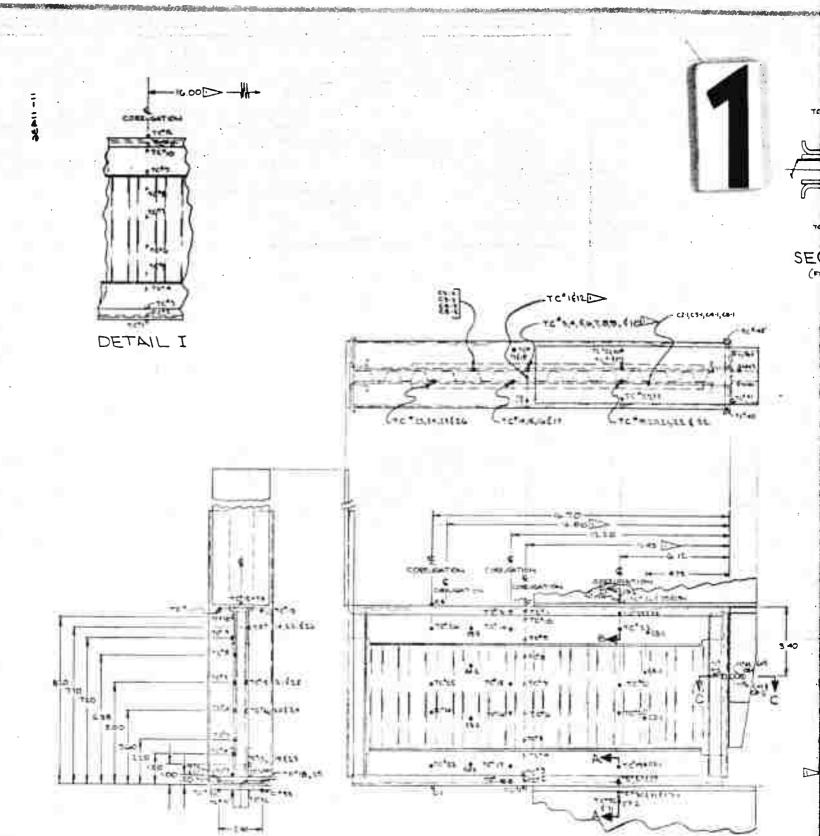
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BOEING NO. D2-80081



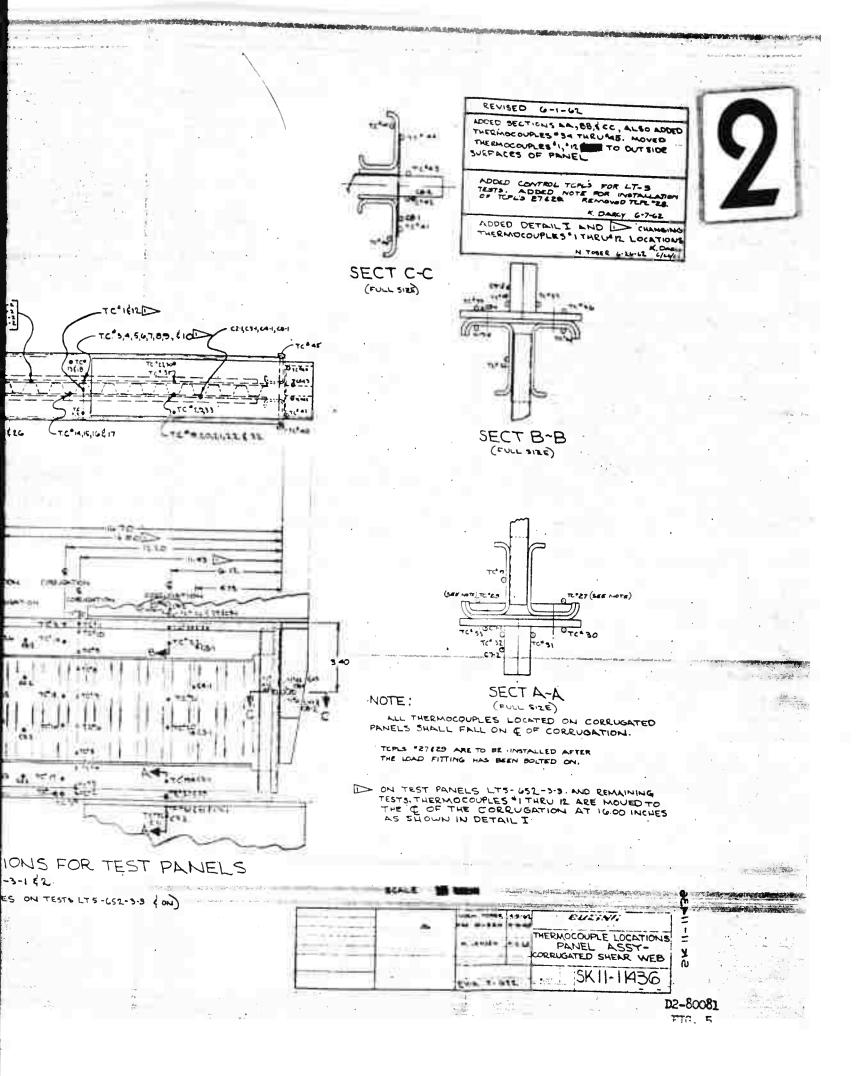
BOEING NO. D2-80081

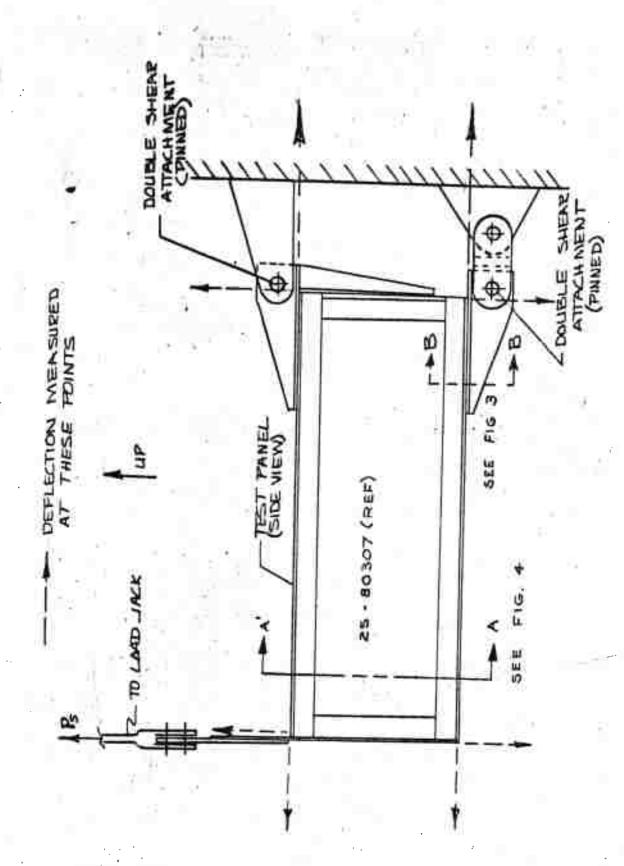
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THERMOCOUPLE LOCATIONS FOR TEST PANELS

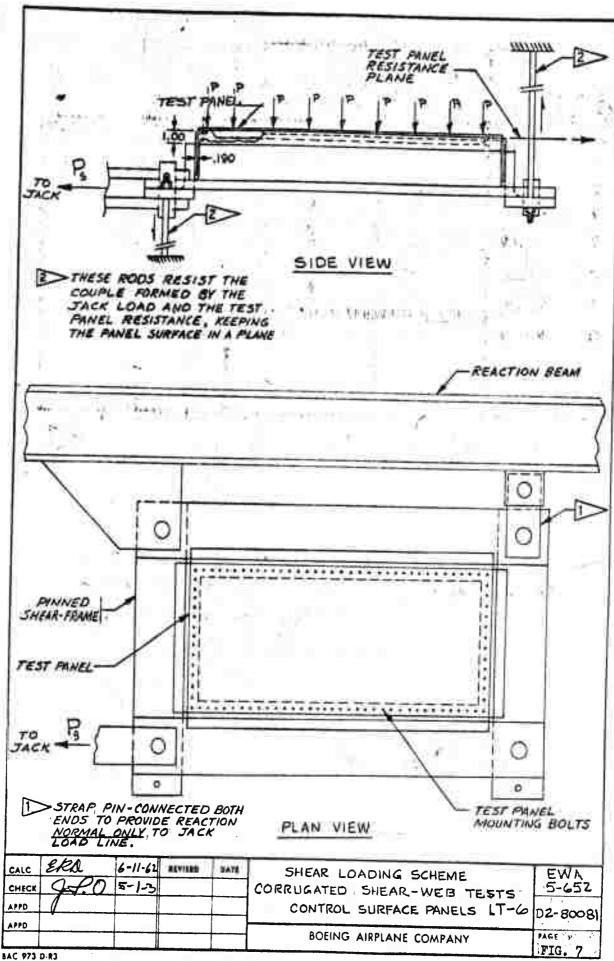
(SEE) FOR THERMOCOUPLE CHANGES ON TESTS LT5-652-3-3 (ON)





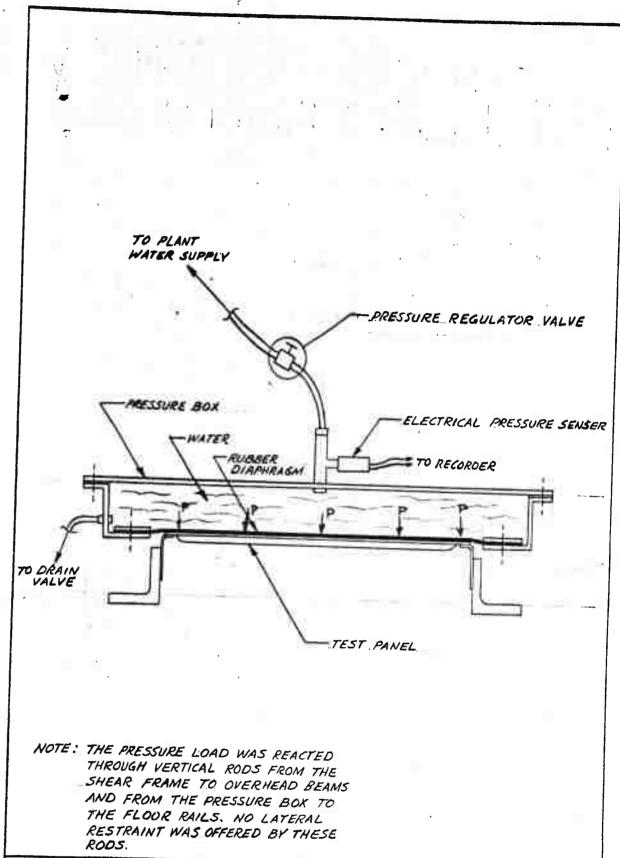
CALC	CLAD	5-1-3	REVISED	DATE		·
CHECK	1883	3-7-5	,		SHEAR LOADING SCHENE	5-652
APR					CORRUGATED SHEAR WEB TESTS STRUCTURAL ELEMENTS - LT-1-2-3	
APR						DZ-80081
					THE BOEING COMPANY	, FIG. 6 -

U3 4038 8000

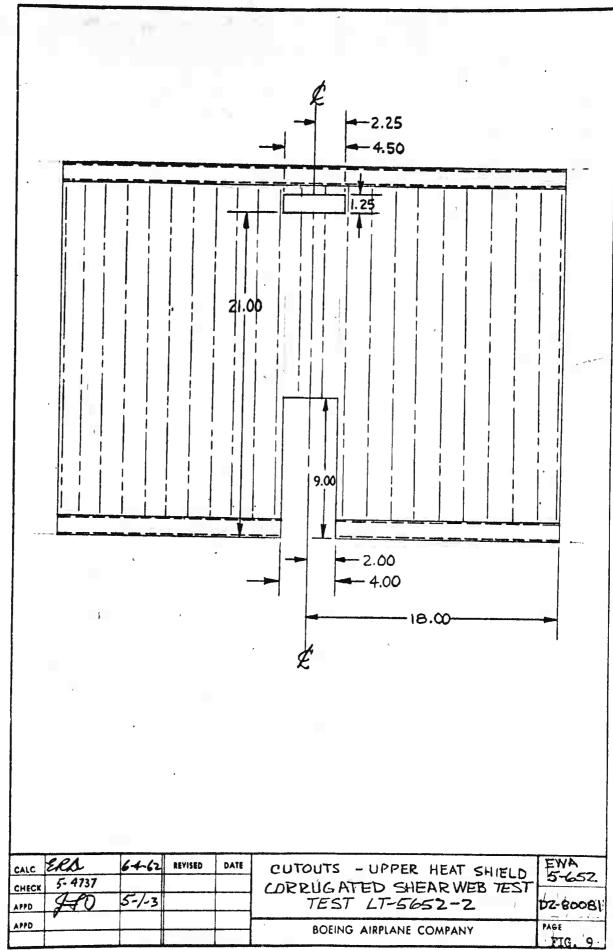


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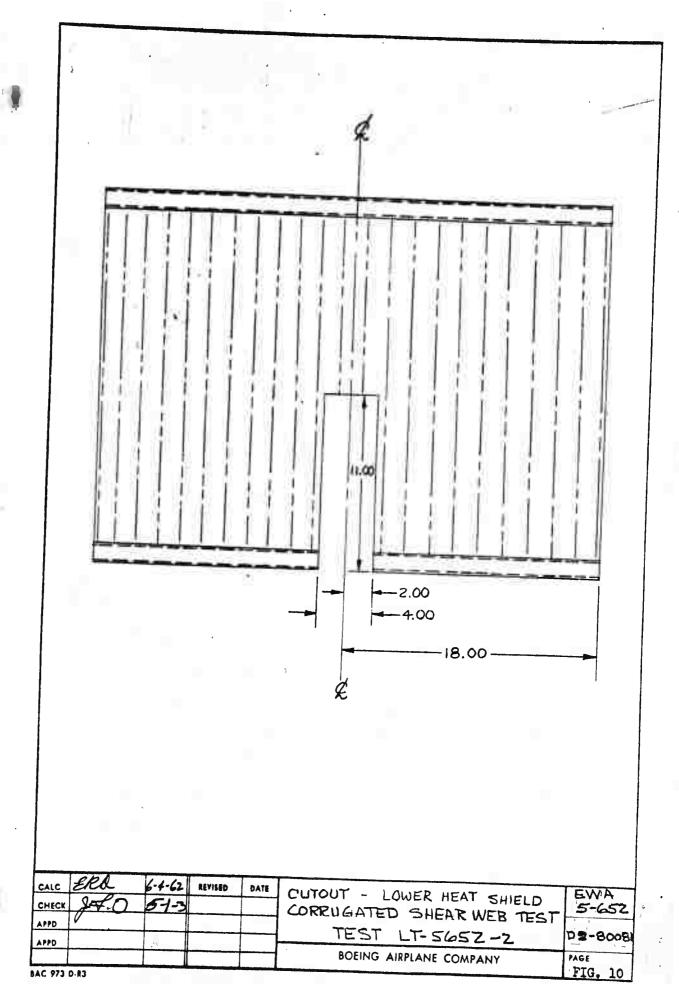


CALC	ERD	6-12-62	REVISED	DATE	PRESSURE LOAD SYSTEM	EWA
CHECK	g 4.0.	5-/-3			CORRUGATED SHEAR-WEB TESTS	EWA 5-652
APPD	V				CONTROL SURFACE PANELS -LT-6	D2-80081
APPD					BOEING AIRPLANE COMPANY	PAGE
BAC 973	D-R3				The soul Air	FIG. 87

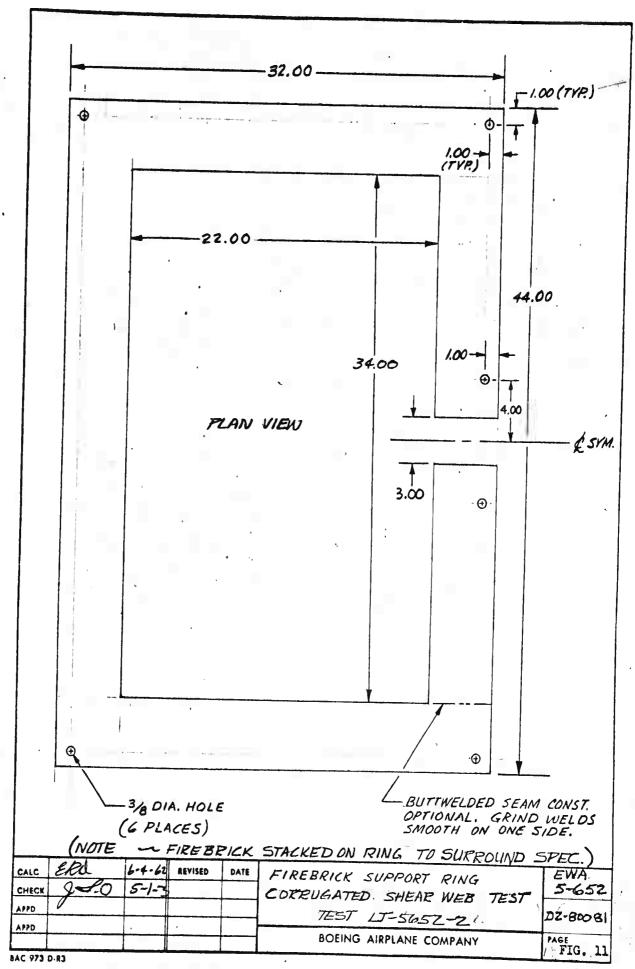


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BAC 973 D-R3

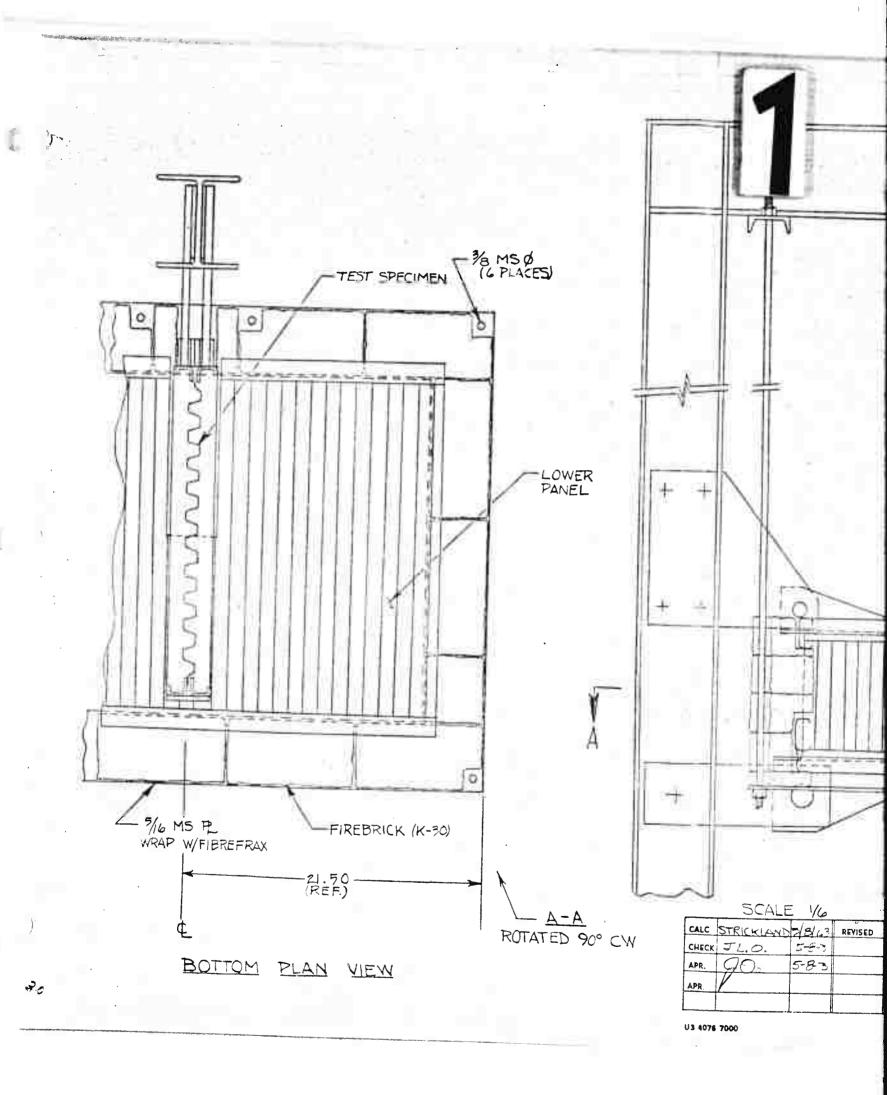


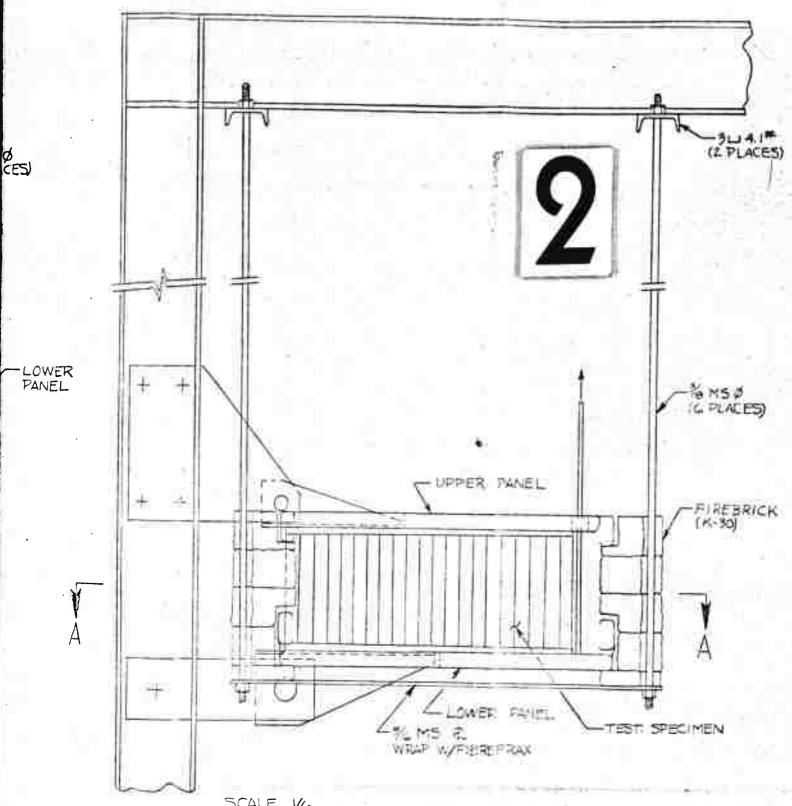
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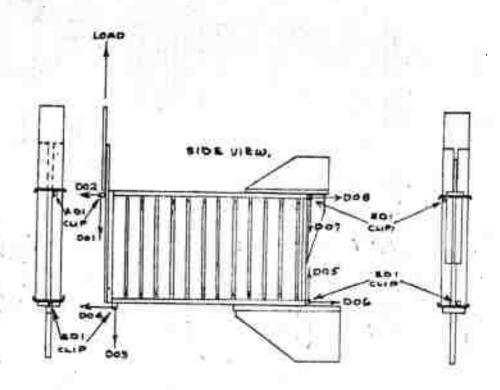




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	SCAL	- 16				
CALC	STRICKLAN	D78/13	REVISED	DATE	ELEV. TEMP. TEST INSTALLATION	EWA
CHECK	JL.O.	5-8-3			CORRUGATED SHEAR WEB TEST	5-652.
APR.	90.	5-8-3			LT-5652-2	DZ-80031
APR						PAGE
					THE BOEING COMPANY SEATTLE 24, WASHINGTON	FIG. 12

113 4076 7000



LOCATIONS INDICATE DIRECTION IN WHICH EDI WIRES WERE STRUNG.

SIGN CONVENTION : (REFER TO SIDE VIEW): "

DOI - POSITIVE DEFLECTION IS UP.

DO2 - " " TO THE RIGHT.

DO3 - " " " TO THE RIGHT.

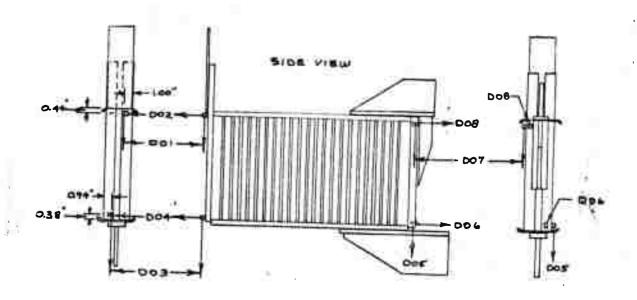
DO5 - " " DOWN

DO6 - " " TO THE LEFT.

DO7 - " " TO THE LEFT.

	,				+ n/r ,	
CALC	CRAM:	6-1-62	REVISED	DATE	DEPLECTION CLIP LOCATIONS	EWA
CHECK	SHIMONO	6-1-62			DS SHEAR WEB AND PANEL	5-652
APR	Clober	6/1/2	7 %	1	TEST LT-5652-1	DZ-80081
APR					THE BOEING COMPANY	0,00081
					THE BOEING COMPANY	PAGE

U3 4038 8000



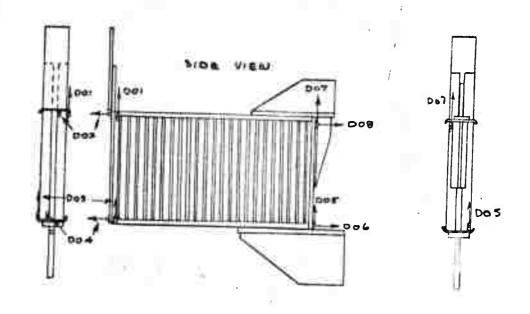
NOTE: EDI CLIPS ARE SPOTWELDED ONTO SPECIMEN, ARROWS DRAWN FROM CLIP LOCATIONS INDICATE DIRECTION IN WHICH EDI WIRES WERE STRUNG.

SIGN CONVENTION (REFER TO SIDE VIEW)

D01 -	POSITIVE	DRFLECTION	15	uР		
D02 -	11	11	19			RIGHT
D03 -	"	"	"	иР		101.1
D04-	н	4	11	TO	THE	RIGHT
DO5-	-84	li .	n	иР		KIO-H I
006-	11	11	"		THE	LEFT
D07 -	lr .	11	•	UP	1 // 5	- M -
D08 -	11	"	10	70	****	

CALC	CRAM	7-5-62	REVISED	DATE	DEFLECTION CLIP LOCATIONS	EWA
CHECK					DS. SHEAR WEB AND PANEL	5-652
APR	Clobes	7-5-2			TEST LT 5652-1-3	DZ-80081
					THE BOEING COMPANY	PAGE

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NOTE: EDI CLIPS ARE SPOTWELDED ONTO SPECIMEN. ARROWS DRAWN FROM CLIP LOCATIONS INDICATE DIRECTION IN WHICH EDI RODS WERE STRUNG.

SIGN CONVENTION (REPER TO SIDE VIEW)

DO1- POSITIUE DEFLECTION IS UP.

DO2- " " TO THE LEFT

DO3- " " UP

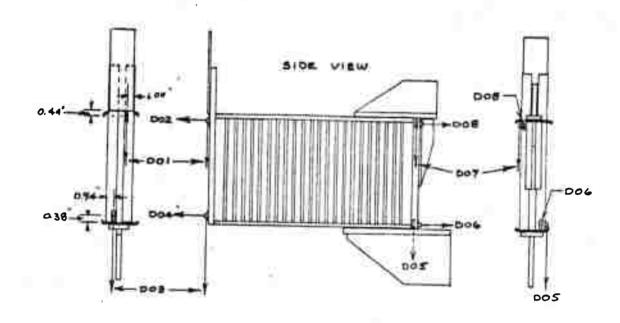
DO4- " " TO THE LEFT

DO5- " " UP

DO6- " " TO THE RIGHT

DO7- " " UP

CALC	CRAM	6-11-62	REVISED	DATE	DAFLECTION CLIP LOCATIONS	EWA
CHECK	SHIMOND	6-12-62			DS SHEAR WEB AND PANEL	5-632
APR	Clobes	6/12/2			TEST LT5652-2	D7 00-01
APR						DZ-80081
					THE BOEING COMPANY	PAGE FIG. 15



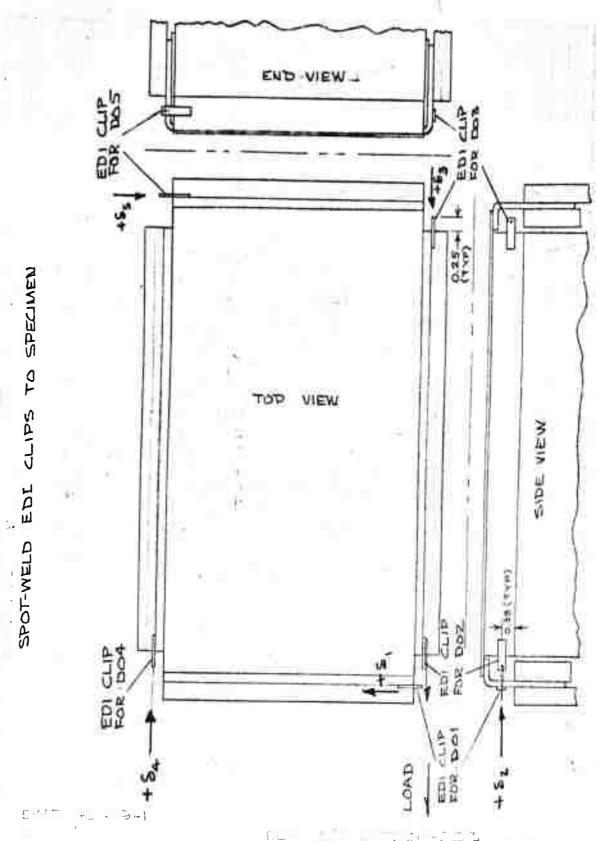
NOTE: EDI CLIPS ARE SPOTWELDED ONTO SPECIMEN. ARROWS DRAWN FROM CLIP LOCATIONS INDICATE DIRECTION IN WHICH EDI RODS WERE STRUNG.

SIGN CONVENTION (REFER TO SIDE VIEW)

D01-	POSITIVE	DEPLECTION	15	DOWY
D02-	11	u	4	TO THE LEFT
D03-	"	u	H	DOWN
004-	11	41	**	TO THE LEPT
005-	"	II.	î n	DOWN
006-	41	ly.	u	TO THE RIGHT
007-	te	ч	Ħ	DOWN
D08-	11	н	ı	TO THE RIGHT

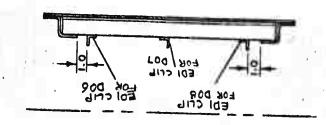
CALC	CRAM	6-20-62	REVISED	DATE	DEPLECTION CLIP LOCATIONS	EWA
CHECK	SHIMONO	6-20-62			DS SHEAR WEB AND PANEL	5-652
APR	Clobes	6/20/2			TEST LT 5652-3	DZ-80081
APR		, ,				,
					THE BOEING COMPANY	FAGE

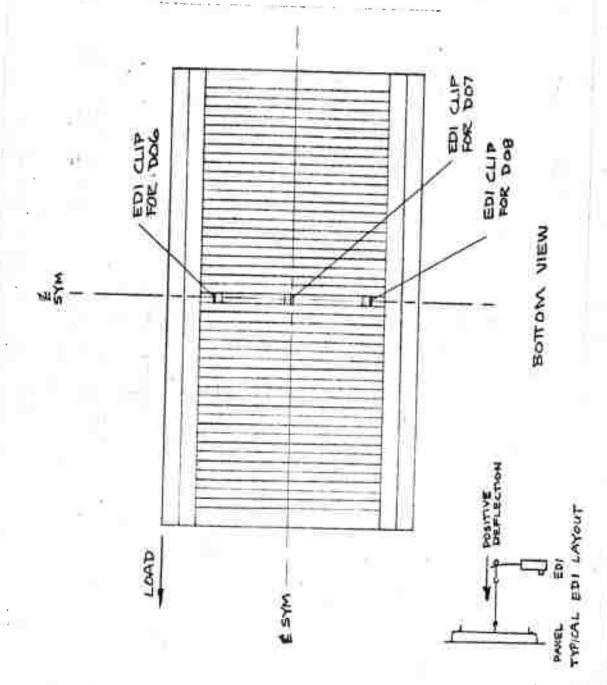
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	I	-			7. / 1.2	,) !-
CALC	SHIMUNO	4/19/62	REVISED	DATE	EDI CLIP LOCATIONS	EWA
CHECK					CORRUGATED SHEAR WEB	5-652
APR	Clober	4/11/2			PANEL TEST ULT-5652-6	DZ-80081
APR	APR				52 00007	
					THE BOEING COMPANY	FIG. 17
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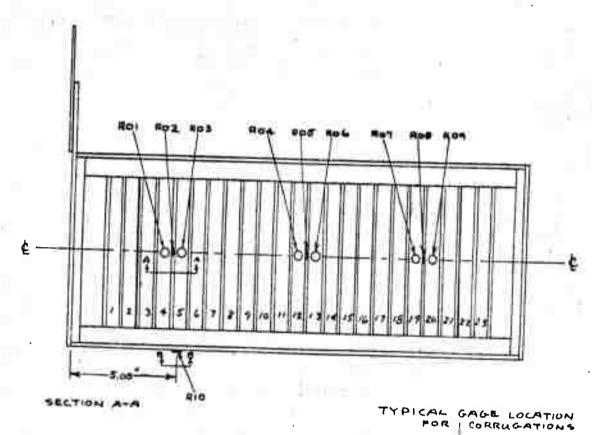
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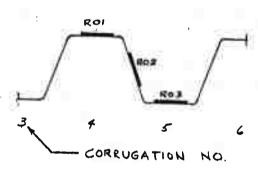
6/5 2-5776 223

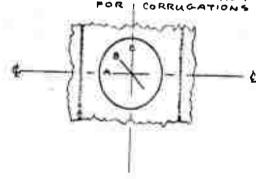
CALC	SHIMONO	3/30/62	REVISED	DATE	EDI CLIP LOCATIONS	EWA
CHECK					CORRUGATED SHEAR WEB &	5-652.
APR	Clobes	1/1/2			PANEL TEST LT-5657-6-1	DZ-80081
APR			· ·		THE BOEING COMPANY	PAGE

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U3 4038 800







OF CORRUGATION

SECTION B-B

GAGE INFO :

TYPE : FABR-12-12

R: 120.5 = 0.5 A

K: 2.05 ± 1%

LOT : 211-J

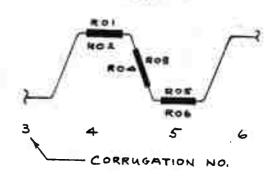


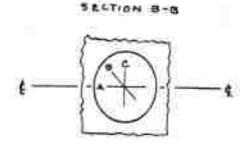
NOTE: FOR INSTALLATION PROCEDURE SEE FIG. 1, COUNT CORRUGATIONS TO LOCATE GAGES ALONG C. GAGES ROI, RO4, CRO9 ARE ON CONVEX CORRUGATIONS.

					DRAWING NO. EWR 38412-1
CALC	CRAM	6-2-62	REVISED	DATE	ROSETTE GAGE LOCATIONS EWA
CHECK	SHIMONO	6-2-62			DS SHEAR WEB AND PANEL 5-652
	Clobes				i i
APR		, ,			TEST LT-5652-/-2 1) D2-80081
					THE BOEING COMPANY PAGE
12.40.20					# FIG. 19

U3 4038 8000

NOTE: DOTTED LINE UNDER GAGE INDICATES THAT IT IS ON OPPOSITE SIDE OF PANEL ROT ,BIL. MOR MOR MOR ROL NO. ALA RIS. RIS. Louis SECTION A-A





TYPICAL GAGE LOCATIONS FOR CORRUGATIONS

GAGE INPO :

TYPE: FABR-12-12 5-6

R: 120.5 ± 0.5 A

K: 2.05 ± 170

LOT: 211-J

& OF CORRUGATION

NOTE: GAGES ARE MOUNTED BACK TO BACK-A TO A, B TOB, & C TO C.

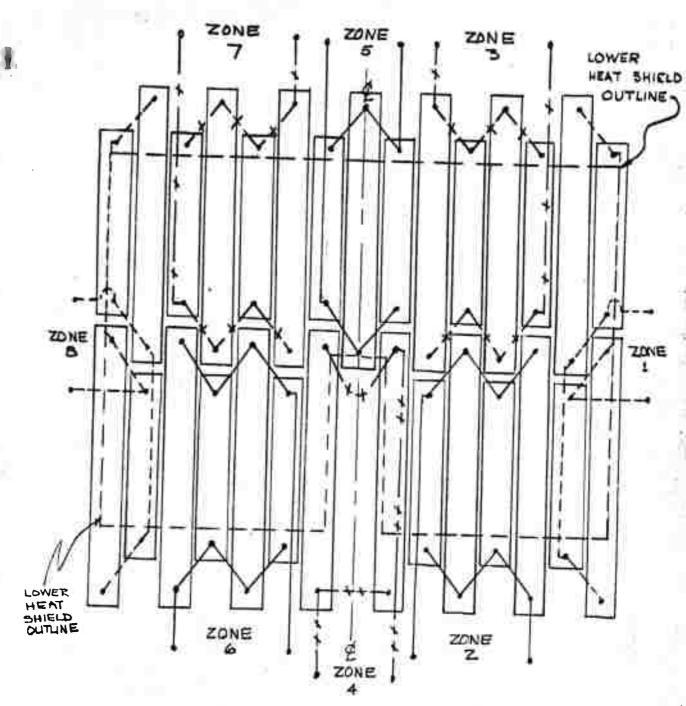
FOR INSTALLATION PROCEDURE SEE

FIG. 15-11. COUNT CORRUGATIONS TO

LOCATE GAGES ALONG &.

EWR 38475-1

CALC	CRAM	6-21-62	REVISED	DATE	ROSETTE GAGE LOCATIONS	EWA
CHECK					DS SHEAR WEB AND PANEL	5-652
APR	Clober	6/24/2			778cm c	DZ-80081
APR					TEST 5652-1-3	D2-0008
					THE BOEING COMPANY	PAGE FIG. 20



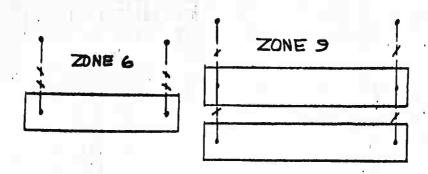
NOTE: LAYOUT OF LAMPS BELOW LOWER HEAT SHIELD, FOR L LT-5652-2 TEST ONLY. (SEE FIGS. 27 \$ 281

1 \$ 8 2 5 \$ 6 3 \$ 7 ZONE ZONE 4 CALC REVISED DATE LAMP LAYOUT & WIRING EWA CHECK LT-5652 - 2 ONLY 5-652 APR DZ-80081 APR THE BOEING COMPANY PAGE FÍG. 21

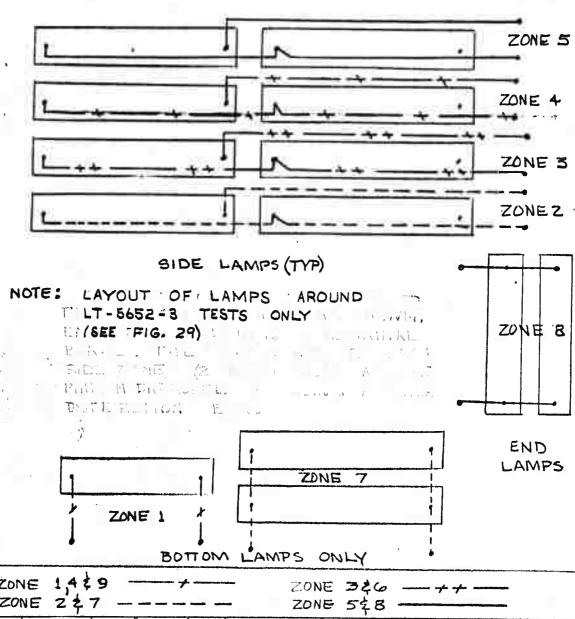
U3 4038 8000

ZONE

ZONE



TOP LAMPS ONLY



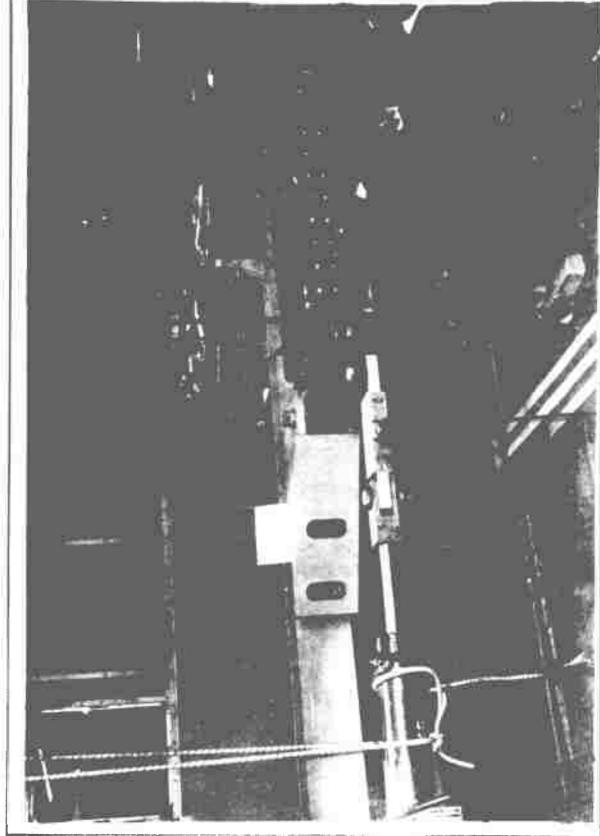
		NE 22				ZONE 346	
	CALC	OLSON S(X)	5-1-3	REVISED .	DATE	LAMP LAYOUT & WIRING	2-925 2-925
ŀ	APR APR	9(4)				LT-565Z-3 ONLY FLAT PATTERN	02-80081
	APR	·		•		THE BOEING COMPANY	PAGE FIG. 22

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U3 4038 8000 .



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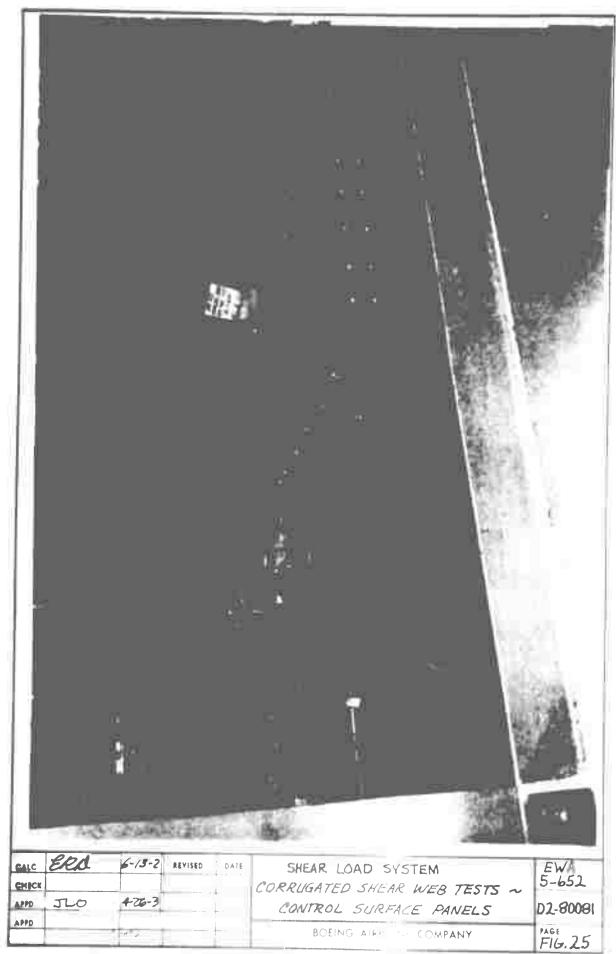
CALC	ERA	6-13-2	REVISED DATE	SHEAR LOAD SYSTEM	EWA
CHECK				CORRUGATED SHEAR WEB TESTS ~	5652
APPD	JLO	4-26-3	magazina an	CONTROL SURFACE PANELS	D2.80081
APPD	Paga Pengana Mil ve da A		· • •	BOEING AIR MAPANY	116E FIG 24

U3 4036 3000 (WAS BAC 9730-R3)

7 70 31

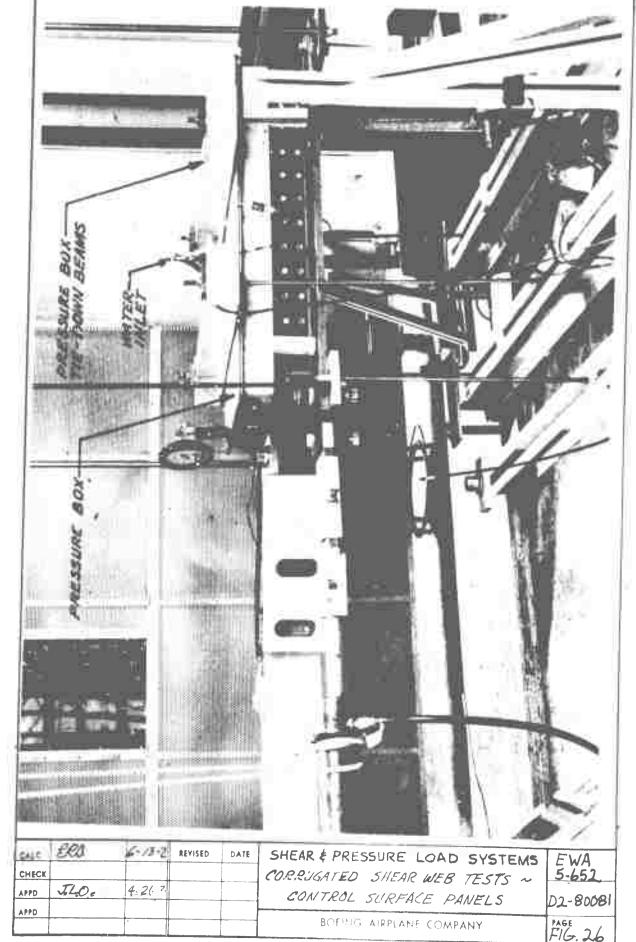
AN WES PAUEL TEST 2A A-27-62





U3 4036 3000 (WAS BAC 973D-R3)

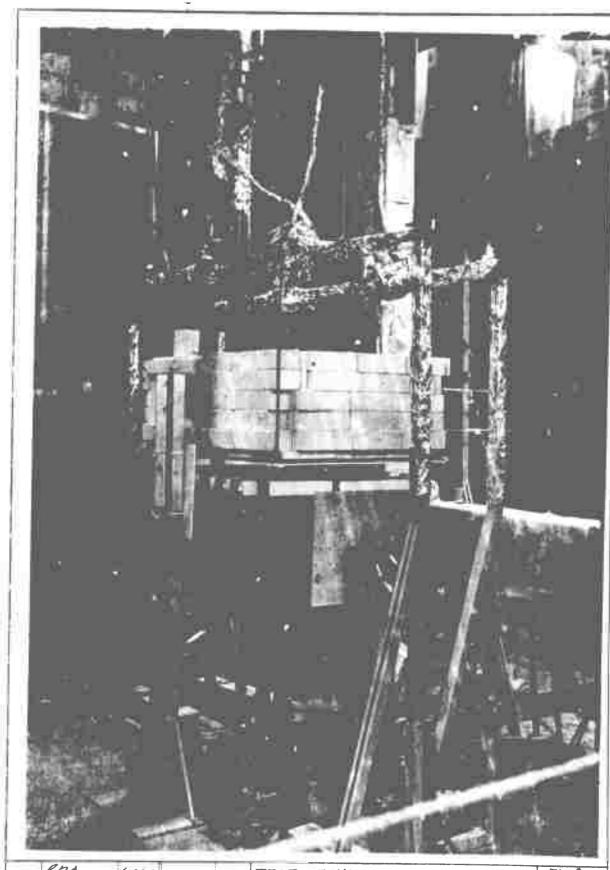
2 7000



CALE	ERS	6.27-2	Brents	THIR	TEST SETUP ~ LT 5452-2-1	EWA
CHICK	0.00				CORRUGATED SHEAR WEB TESTS ~	5.452
A.P	(Jul. 17)	12-35-3	-	-	ELEVATED TEMPERATURE	DI-80881
2010		11			BOTHIG ASSELANT COMPANY	P16.27

U3 4036 3000 (WAS BAC 973D-R3

45



				-		
CALC	ERS.	6-27-2	REVISED	DATE	TEST SETUP ~ LT 5652-2-1	EWA
CHECK			NAMES OF THE PERSON OF THE PER		CORRUGATED SHEAR WEB TESTS ~	5-652
APPD	120	5-8-3			ELEVATED TEMPERATURE	02-80081
APPD.					BOEING AIRPLANE COMPANY	PAGE FIG 28

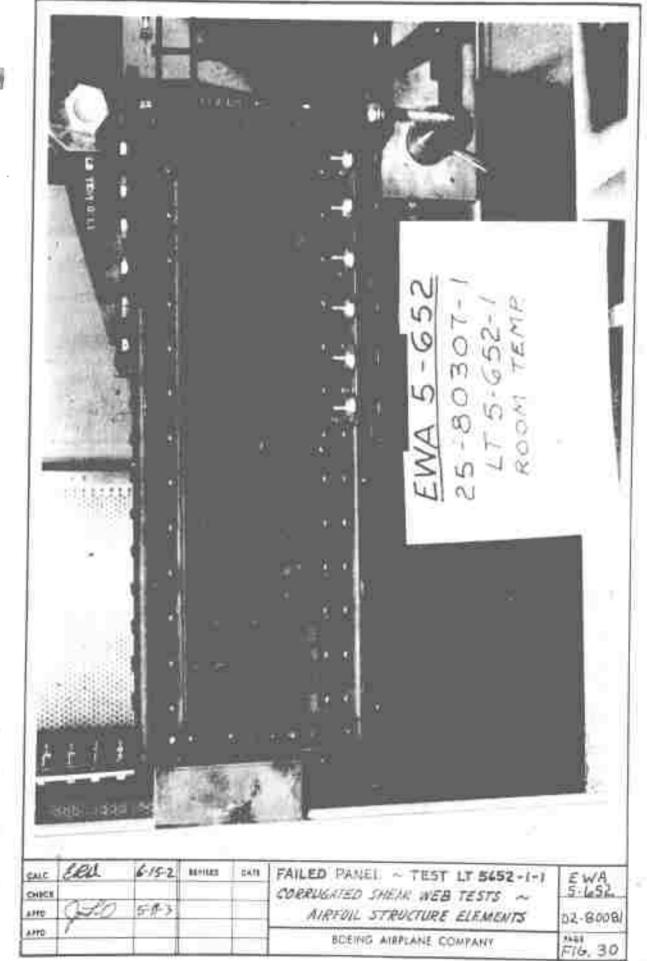
CALC	J. 70.	6-27-2	REVISED	DATE	Ī
CHECK					l
APPD	ERD	5-8-63			
APPD					ŀ
		1.			l

TEST SETUP ~ LT-5652 - 3 EWA CORRUGATED SHEAR PANEL TESTS ELEVATED TEMPERATURE BOEING AIRPLANE COMPANY

5-652 D2-80081

PAGE FIG. 29

2A111696



FAILED PANEL ~ TEST LT 5652-1-1 6-15-2 REVISED CALC EWA 5-652 CORRUGATED SHEAR WEB TESTS ~ CHECK 5-8-3

HEAR PANEL 25-80307-1

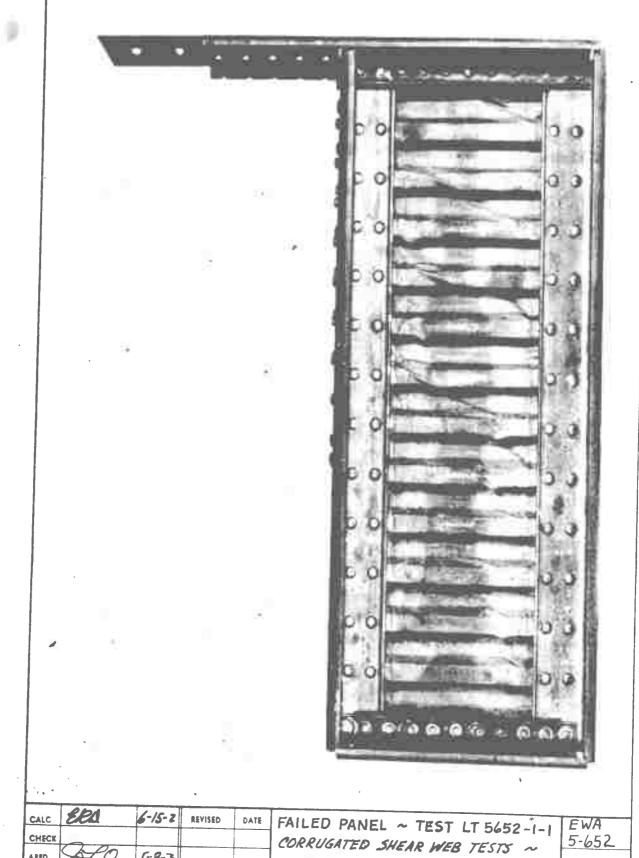
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U3 4036 3000 (WAS BAC 973D-R3)

AIRFOIL STRUCTURE ELEMENTS

D2-80081 BOEING AIRPLANE COMPANY

PAGE FIG. 31



SHEAR PANEL 25-80307-1 5652-1-1 6-5-62

49:

APPD

U3 4036 3000 (WAS BAC 973D-R3)

5-8-3

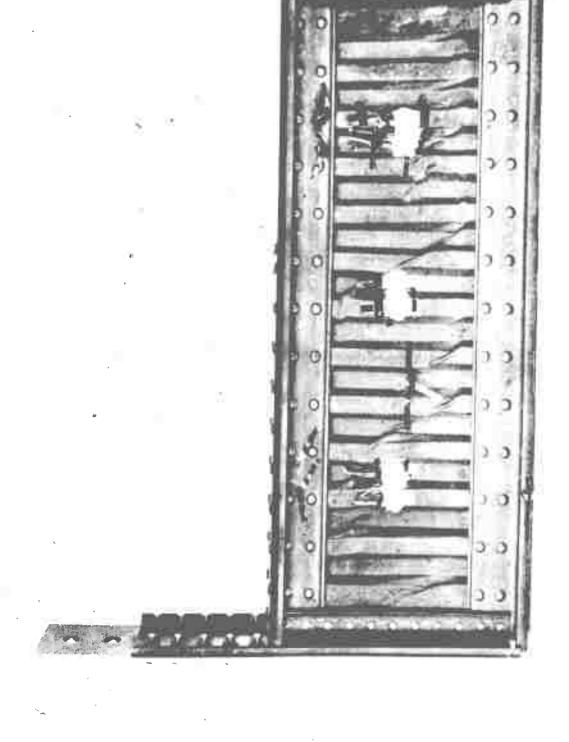
D2-80081

PAGE F.16.32

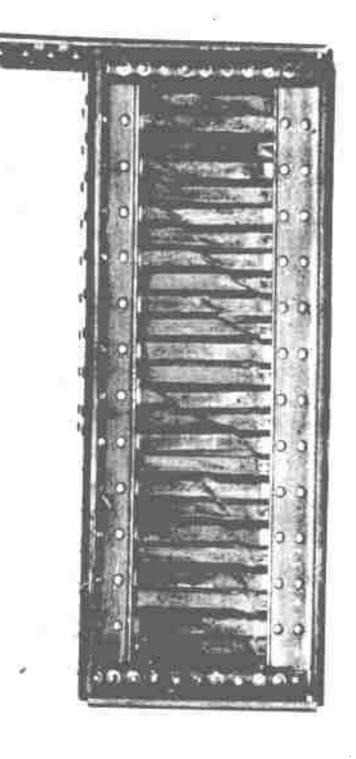
AIRFOIL STRUCTURE ELEMENTS

BOEING AIRPLANE COMPANY

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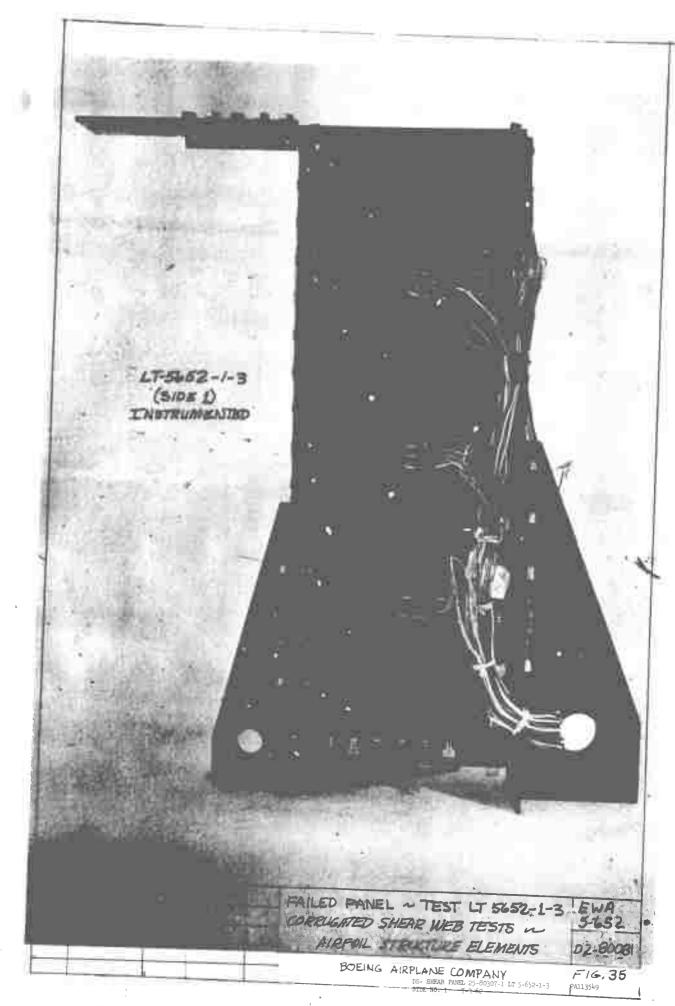


CALC	ERD	6-15-2	REVISED	DATE	FAILED PANEL ~ TEST LT 5652-1-2	EWA
CHECK					CORRUGATED SHEAR WEB TESTS ~	5-652
APPD	J.O.	5-8-3			AIRFOIL STRUCTURE ELEMENTS	D2-80081
APPD					BOEING AIRPLANE COMPANY	PAGE
l .		1 1	1			FIG. 33

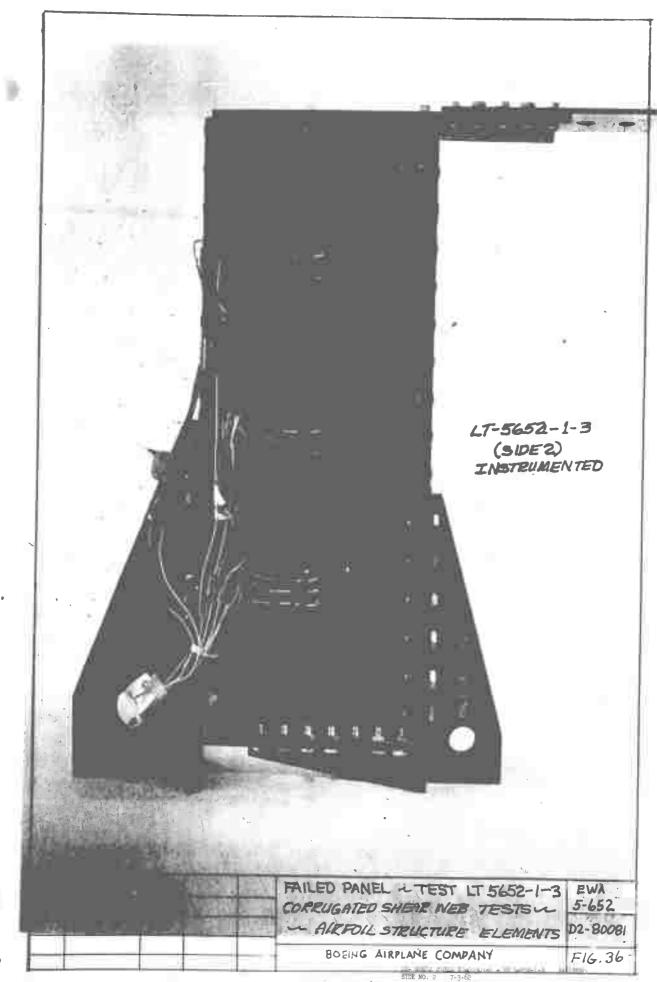


CHECK APPD	9£0.	6-15-2 5-0-3	REVISED	DATE	FAILED PANEL ~ TEST LT 5652-1-2 CORRUGATED SHEAR WEB TESTS ~ AIRFOIL STRUCTURE ELEMENTS	EWA 5-652 Q2-80081
APPD					BOEING AIRPLANE COMPANY	PAGE F16.34

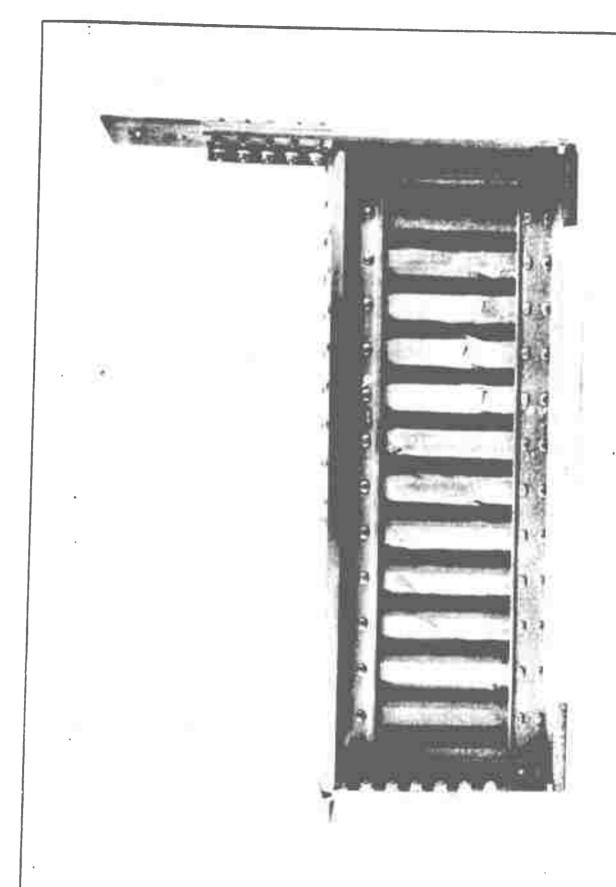
U3 4036 3000 (WAS BAC 9730-R3)



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ORRUGATEL SHEAF WEP PAIEL 25-86307-; 2Alla-5,



CALC	(b.).	6192	REVISED	DATE	T
CHECK	1				1
APPD	EP.0.	4-26-3			ı
APPD					ŀ

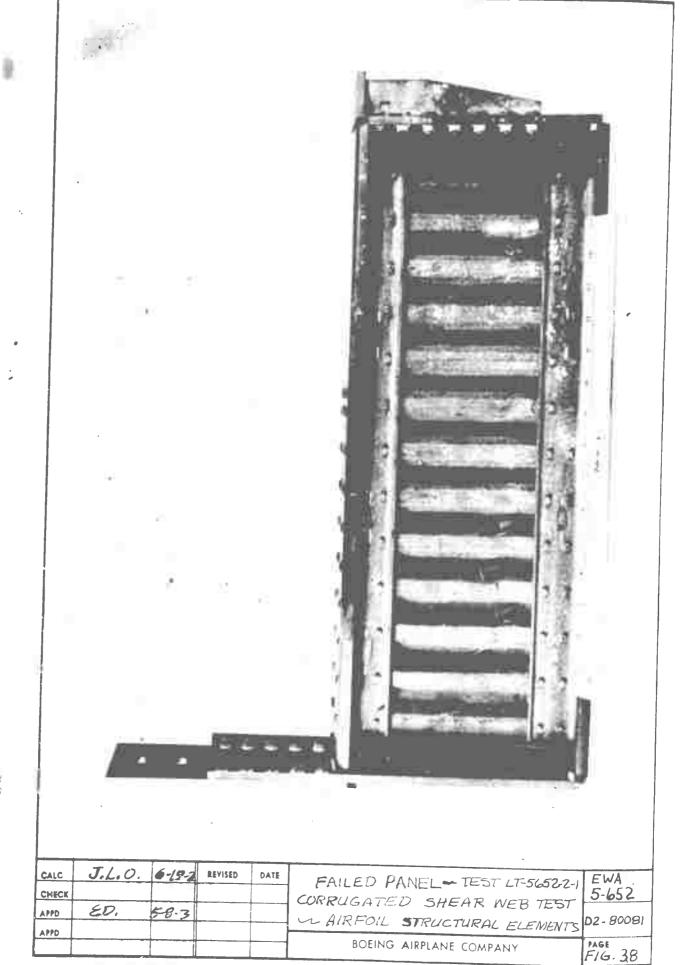
FAILED PANEL TEST IT 557.2-1
CORRUGATED SHEAR WEB TESTS
AIRPOIL STRUCTLIRE ELEMENTS
BOEING AIRPLANE COMPANY

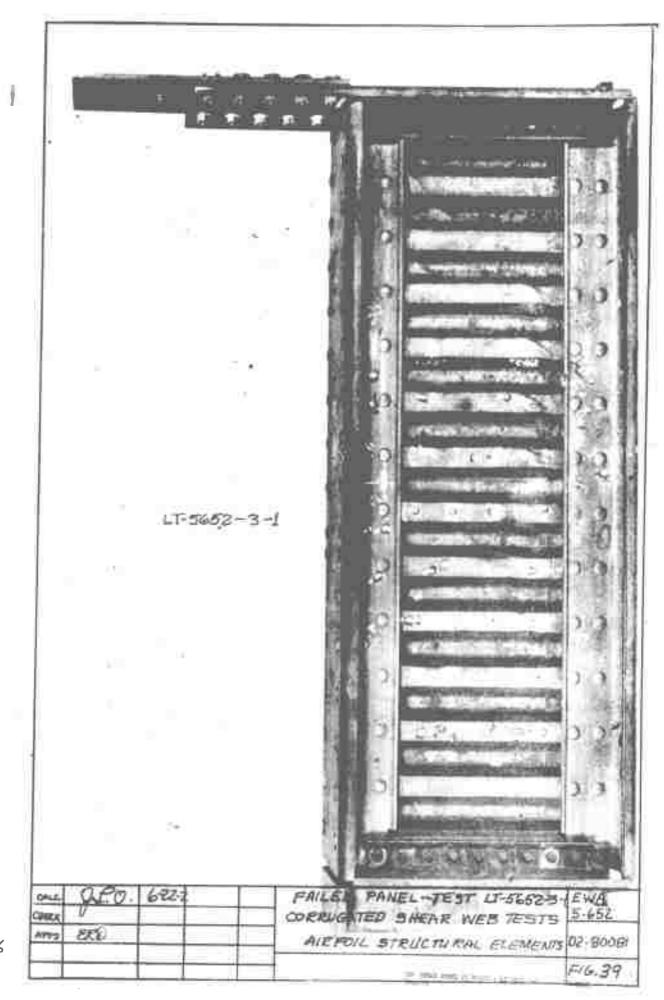
EWA 5-652 D2-6000

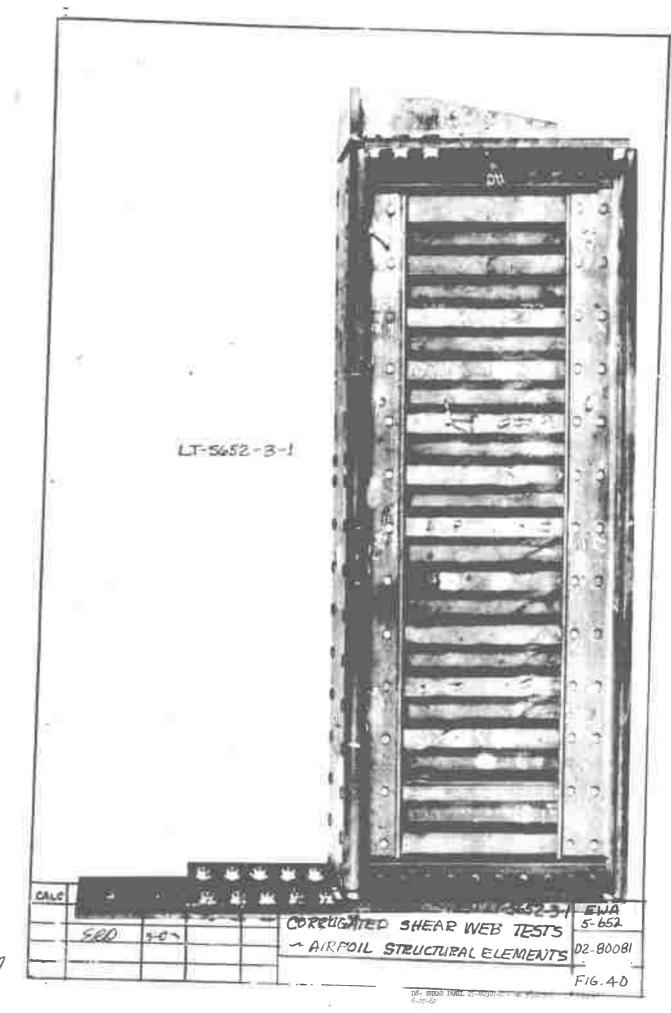
U3 4036 3000 (WAS BAC 973D-R3)

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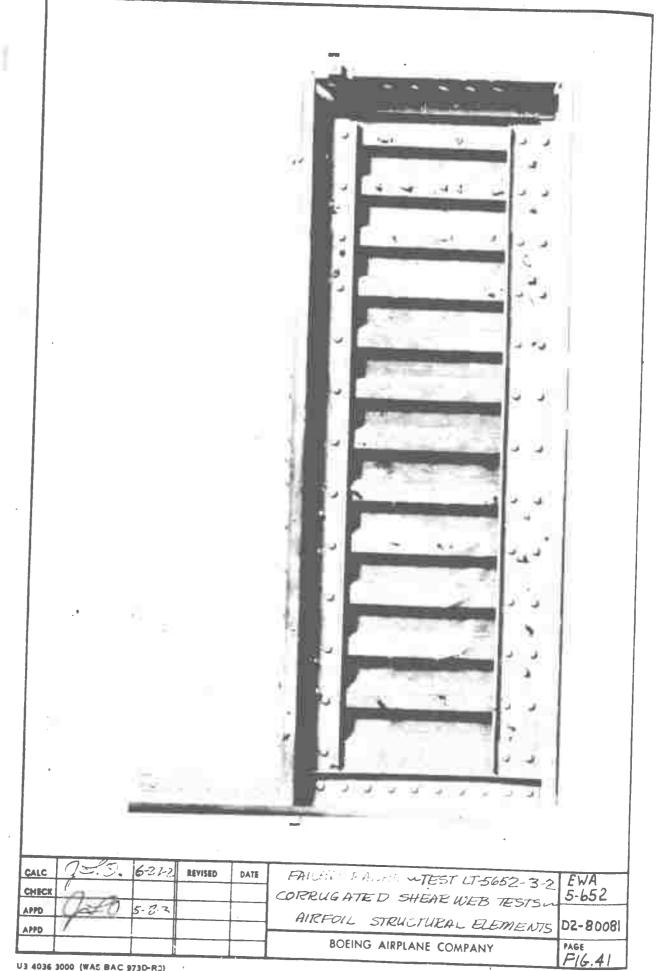
54







PARE 25-80307-1 - 12 5652-3-2



FAILED PANEL ~ IEST LT-5652-32 BETTER EWA 5-652 CORRUGATET) SHEAR WEB TESTS - AIR + OIL SHEACILIKING ELEMENIS D2-80081

BOEING AIRPLANE COMPANY

59

APPD

24113331

AR PANEL 25-80307-1 - LT 5652-3-2

U3 4036 3000 (WAS BAC 973D-R3)

PAGE FIG. 42

1. 4.1

ERN EWA 5-652 6-13-2 TYPICAL FAILED PANEL IN SHEAR-FRAME REVISED CALC CORRUGATED SHEAR WEB TESTS ~ CHECK

CONTROL SURFACE PANELS

RIFTIG AIRPLANE COMPANY

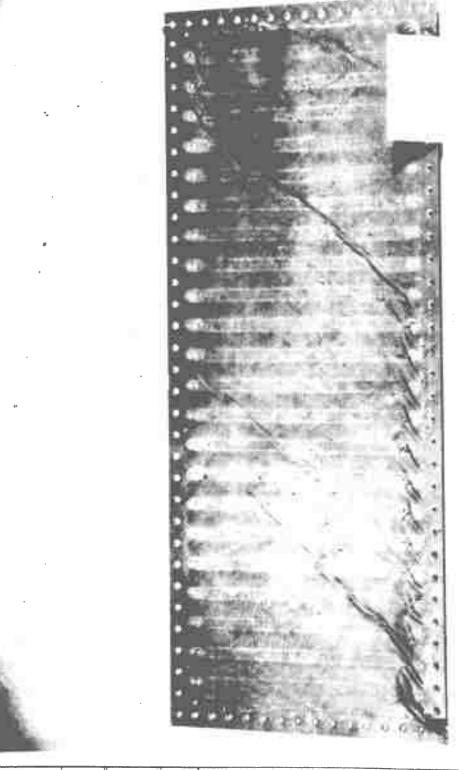
U3 4036 3000 (WAS BAC 973D-R3)

5-8-3

D2-80081

PAGE F.16.+3

DS-1: - CORRUGATED SHEAR WEB FAILED PAREL 2A10935 OVER-ALL PROFIT



CALC ERA 6-/3-2 REVISED DATE

CHECK

APPD 9-7-0, 5-8-3

APPD

FAILED PANEL ~ TEST LT 5652-6-1
CORRUGATED SHEAR WEB TESTS ~
CONTROL SURFACE PANELS

BOEING AIRPLANE COMPANY

EWA 5-652

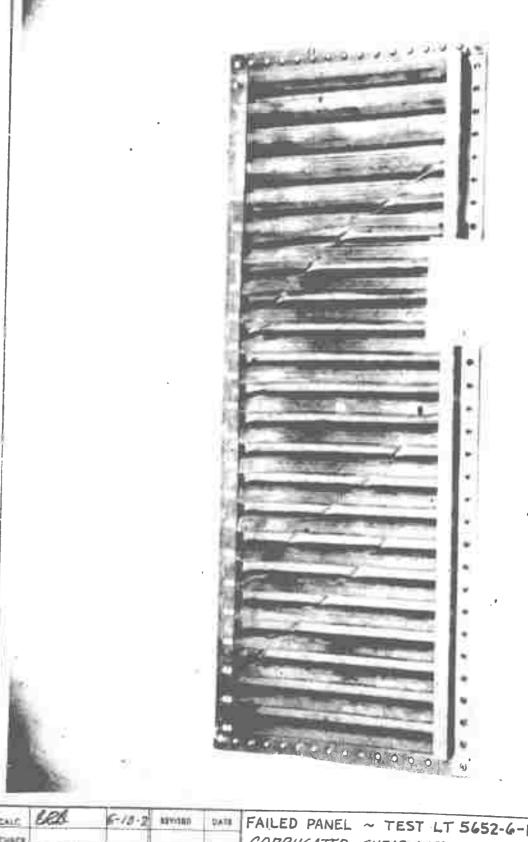
DZ-80081

PAGE FIG. 44

6,

BAC 973 D-R3

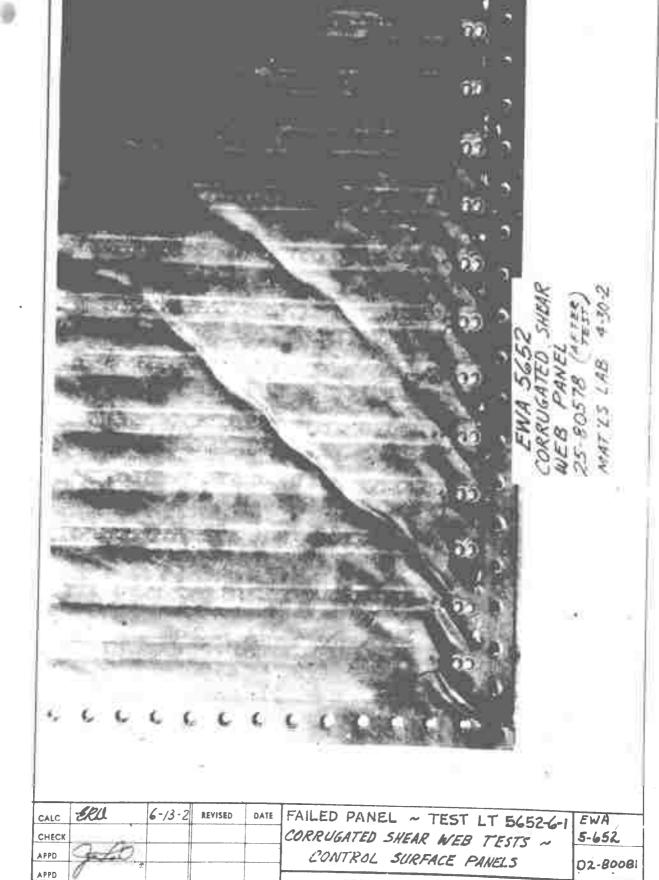




FAILED PANEL ~ TEST LT 5652-6-1 EWA
CORRUGATED SHEAR WEB TESTS ~
CONTROL SURFACE PANELS

BOEING AIRPLANE COMPANY
SEATTHE 24 WASHINGTON

PAGE
FIG. 45

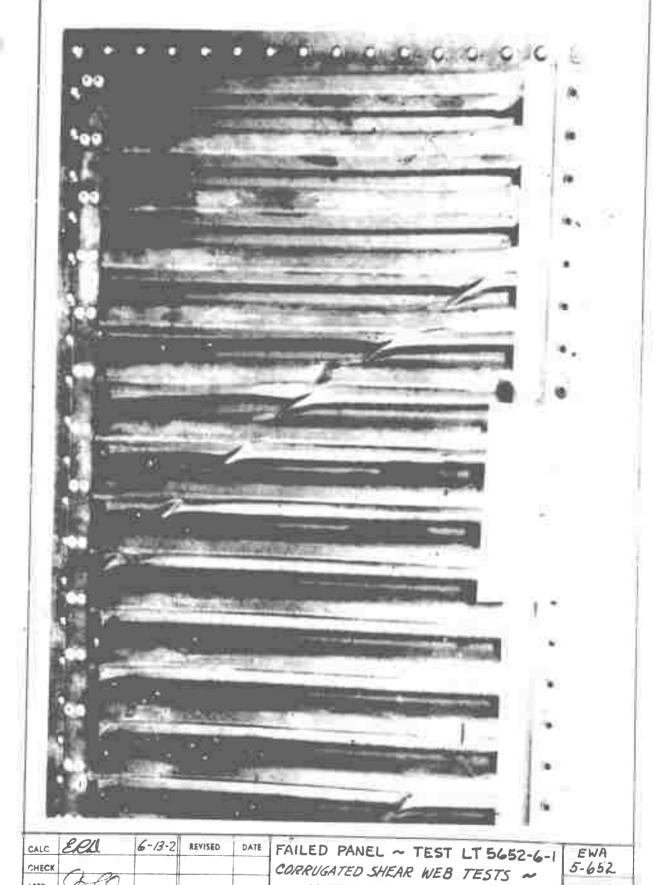


BOEING AIRPLANE COMPANY SEATTLE 24. WASHINGTON

PAGE F16.46

63

6AC 973 D-R3



CONTROL SURFACE PANELS

BOEING AIRPLANE COMPANY
SEATTLE 24. WASHINGTON

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APPD

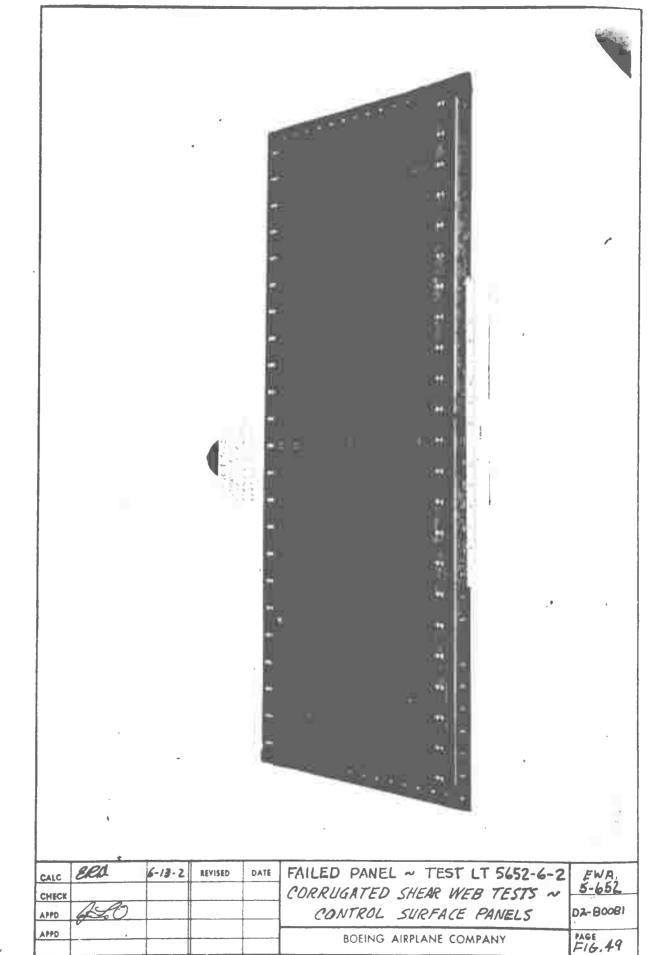
BAC 973 D-R3

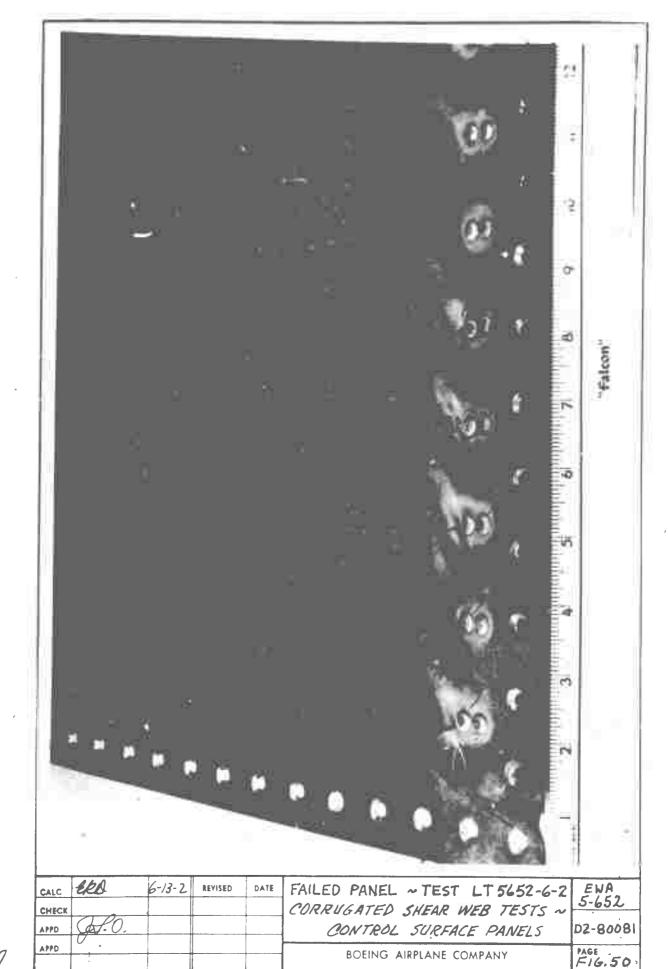
FAILED PANEL ~ TEST LT 5652-6-2 MYSSER cars EWA 5-652 CORRUGATED SHEAR WEB TESTS ~ CONTROL SURFACE PANELS 02-80081 BOEING AIRPLANE COMPANY PAGE FIG. 49

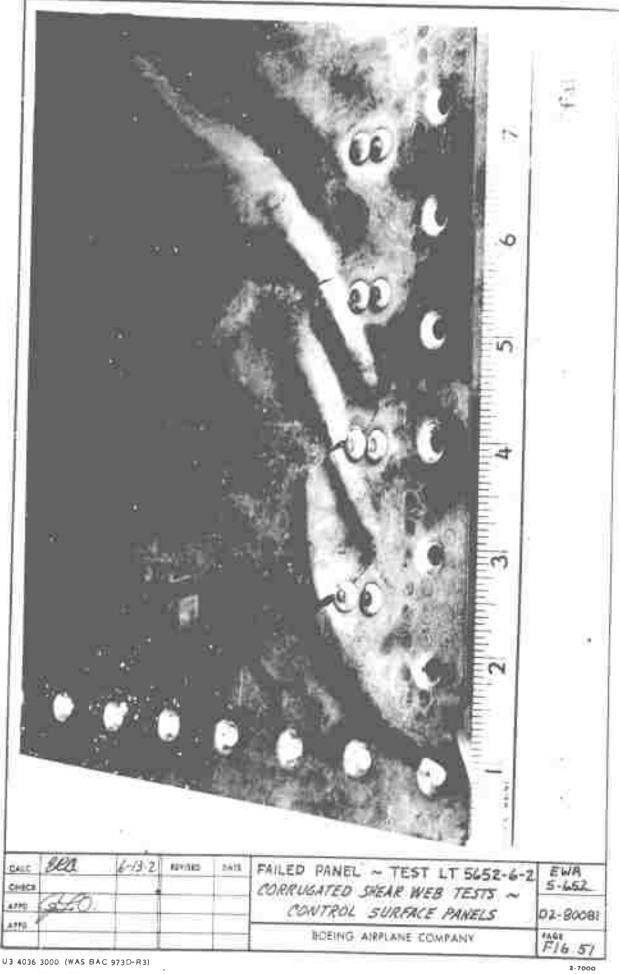
DS-1 - GREAR MED FAILURG 25-80578-1 LOT 6 2ALU9963

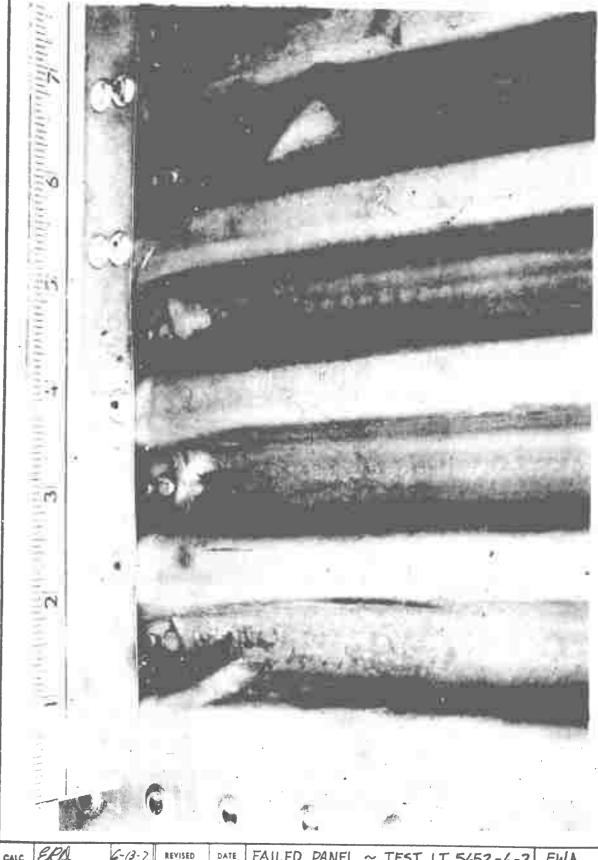
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U3 4036 3000 (WAS BAC 973D-R3)









CALC ECAL C-13-2 REVISED DATE FAILED PANEL ~ TEST LT 5652-6-2 EWA

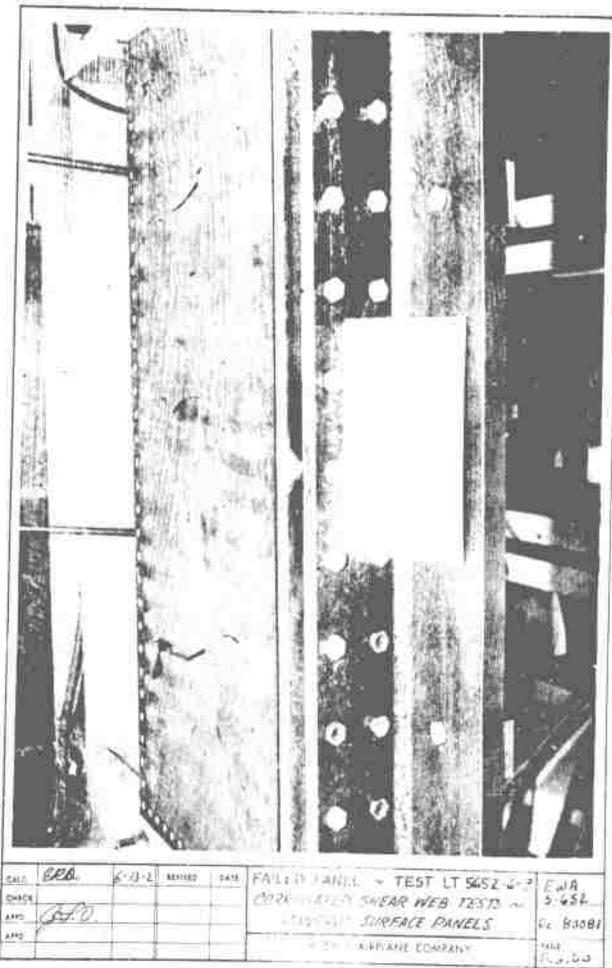
CHECK CORRUGATED SHEAR WEB TESTS ~ 5-652

APPO BOEING AIRPLANE COMPANY

PAGE
FIG. 52

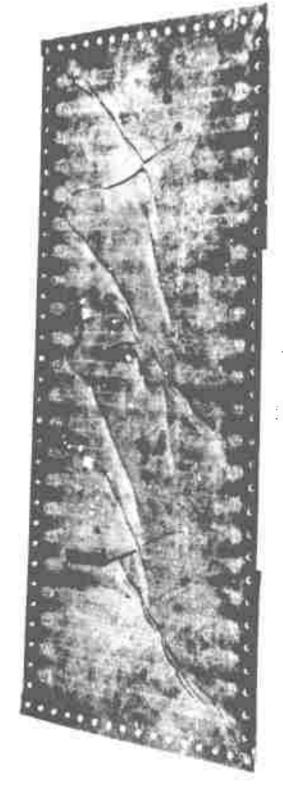
U3 4036 3000 (WAS BAC 973D-R3)

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U3 4036 3000 (WAS BAC 973D-R3)

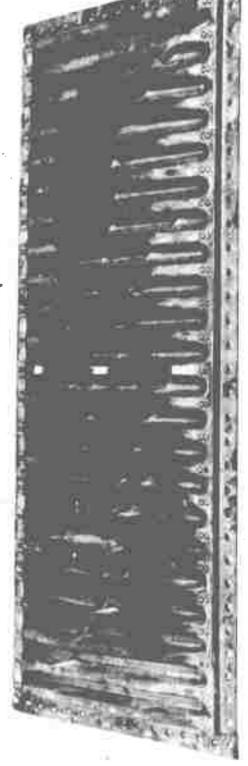
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CALC CHECK APPD	ERA JHO.	6-13-2	REVISED	DATE	FAILED PANEL ~ TEST LT 5652-6-3 CORRUGATED SHEAR WEB TESTS ~ CONTROL SURFACE PANELS	EWA 5-652 02-97081
					BOEING AIRPLANE COMPANY	PAGE FIG.54

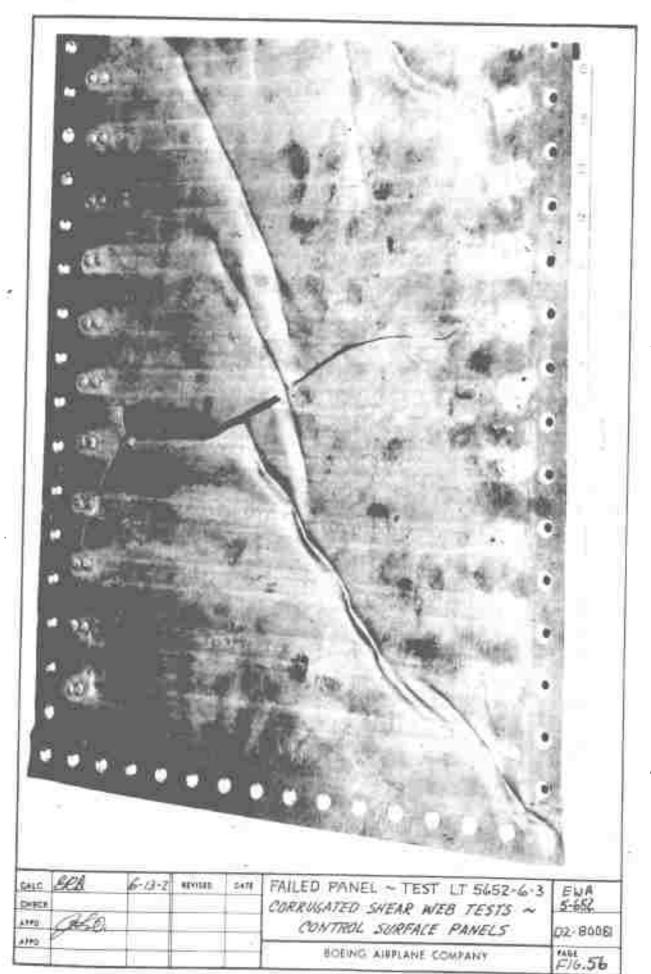
U3 4036 3000 (WAS BAC 973D-R3)

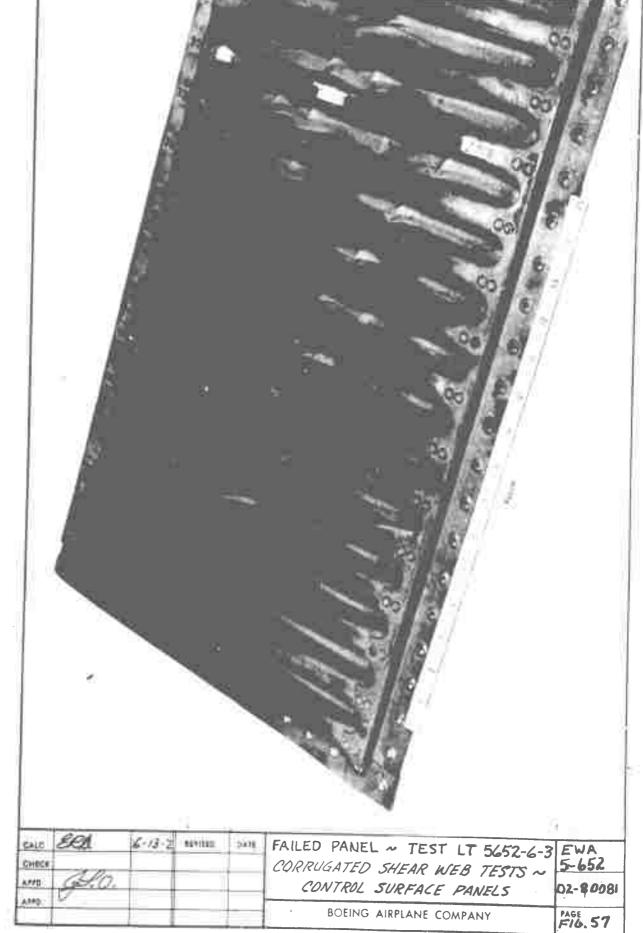
2-7000



-						
	ERIS	6-13-2	REVISED	DATE	FAILED PANEL ~ TEST LT 5652-6-3	EWA 5-652
CHECK					CORRUGATED SHEAR WEB TESTS ~	5-652
APPD	J.CO.				CONTROL SURFACE PANELS	02-80081
2770					BOEING AIRPLANE COMPANY	PAGE F16.55
						116.00

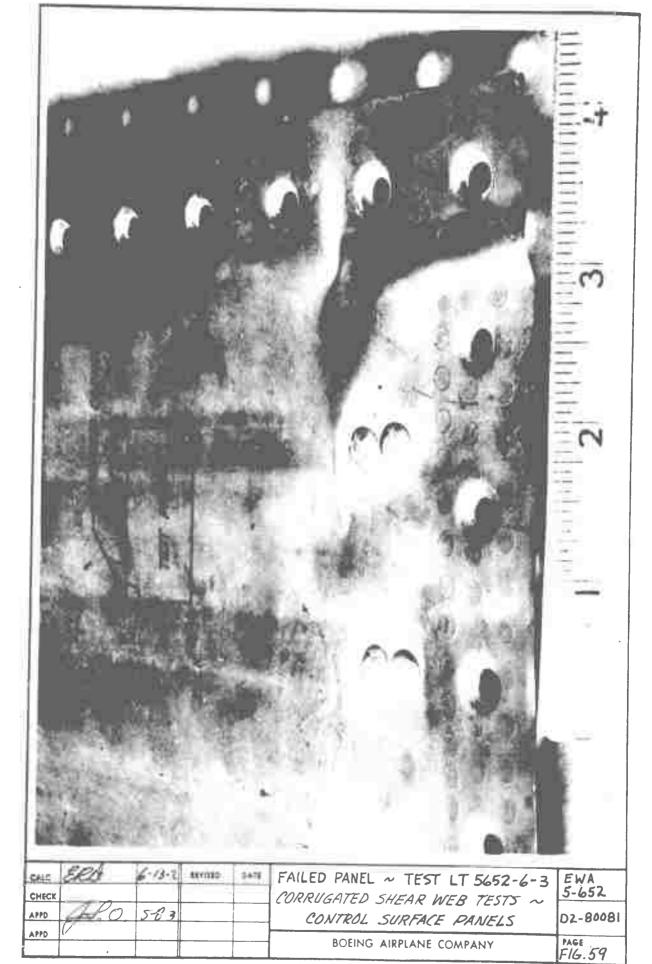
U3 4036 3000 (WAS BAC 973D-R3)





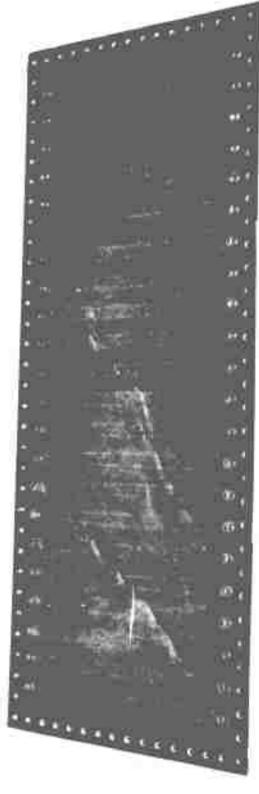
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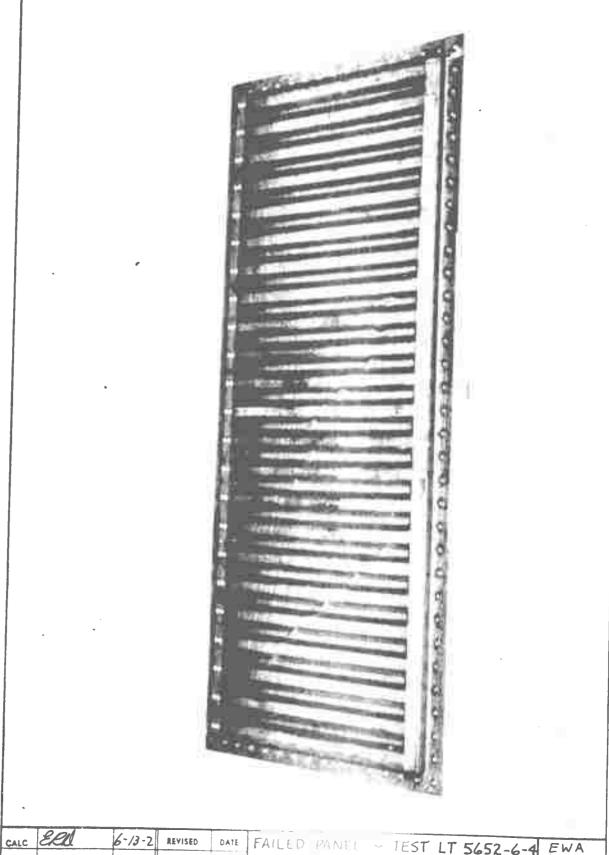
U3 4036 3000 (WAS BAC 973D-R3)

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CALC	6·13·2 5 8 -3	REVISED	DATE	FAILED PANEL ~ TEST LT 5652-6-4 CORRUGATED SHEAR WEB TESTS ~ CONTROL SURFACE PANELS	EWA 5-652 D2-80081
APPO				BOEING AIRPLANE COMPANY	FIG. 60





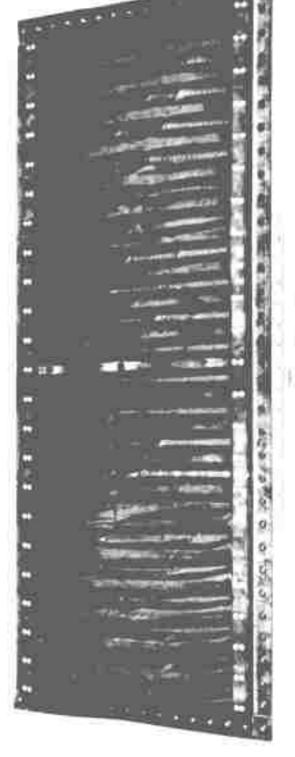
CALC	ERN	6-13-2	REVISED	DATE	FAILED PANEL - TEST LT 5652-6-4	FWA
CHECK	0.00				CORRUGATE SEE AR WEB TESTS ~	5-652
APPD	770	5-8-3			Z* 2 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	02-80081
APPD					ALLE ALEPTANE COMPANY	PAGE EIG- / I



CALC	ERA	6-13-2 REVISED	DATE	FALLED COME	
CHECK		D TO C METISED		FAILED PANEL ~ TEST LT 5652-6-	EWA 5-652
APPD	GAD.			CONTROL SURFACE PANELS	02-80081
				BOFING AIRPLANE COMPANY	PAGE E14 42

U3 4036 3000 (WAS BAC 973D-R3)

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	ONA			1		
CALC	ERO	6-13-2	REVISED	DATE	FAILED PANEL ~ TEST LT 5652-6-5	FWA
CHECK	000	•			FAILED PANEL ~ TEST LT 5652-6-5 CORRUGATED SHEAR WEB TESTS ~	5-652
APPD	J. J.O.					02-80081
APPD		_1				
					BOEING AIRPLANE COMPANY	F16.63

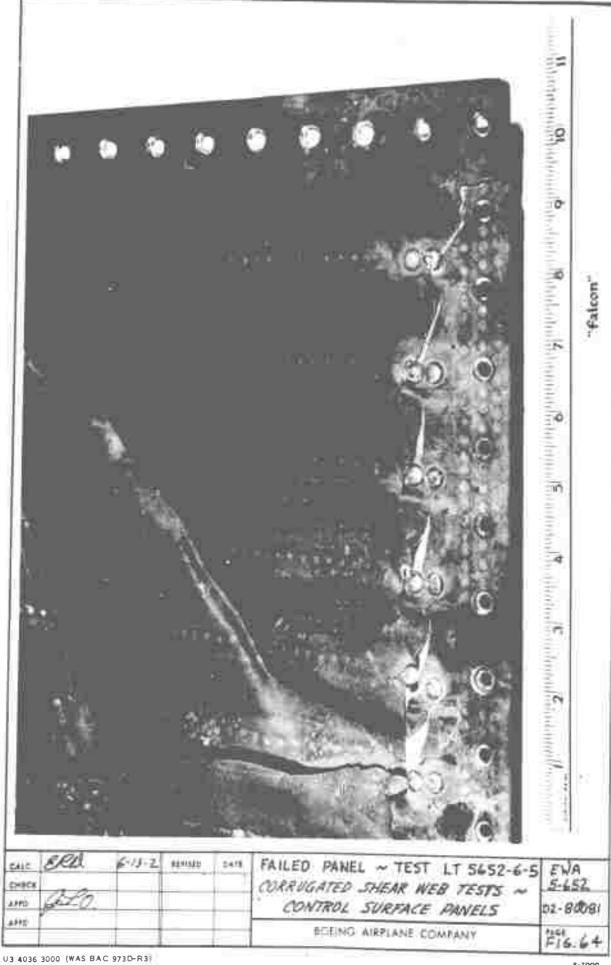
U3 4036 3000 (WAS BAC 973D-R3)

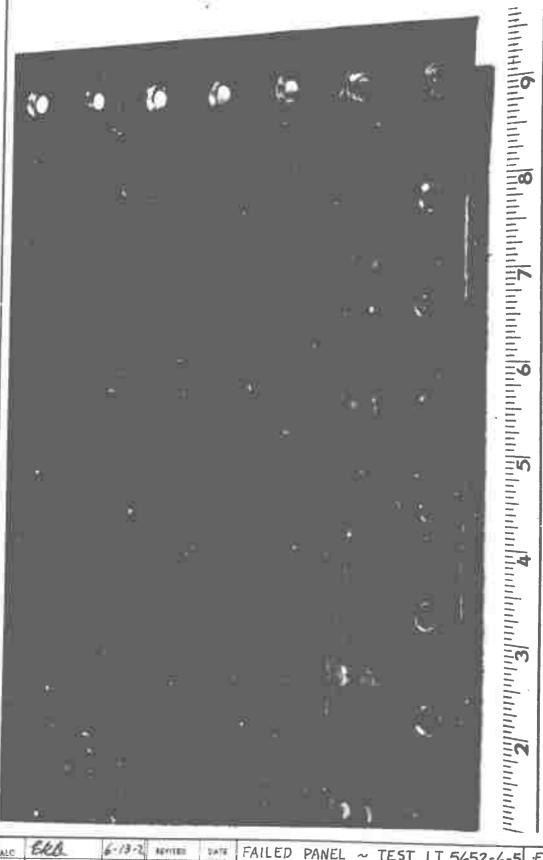
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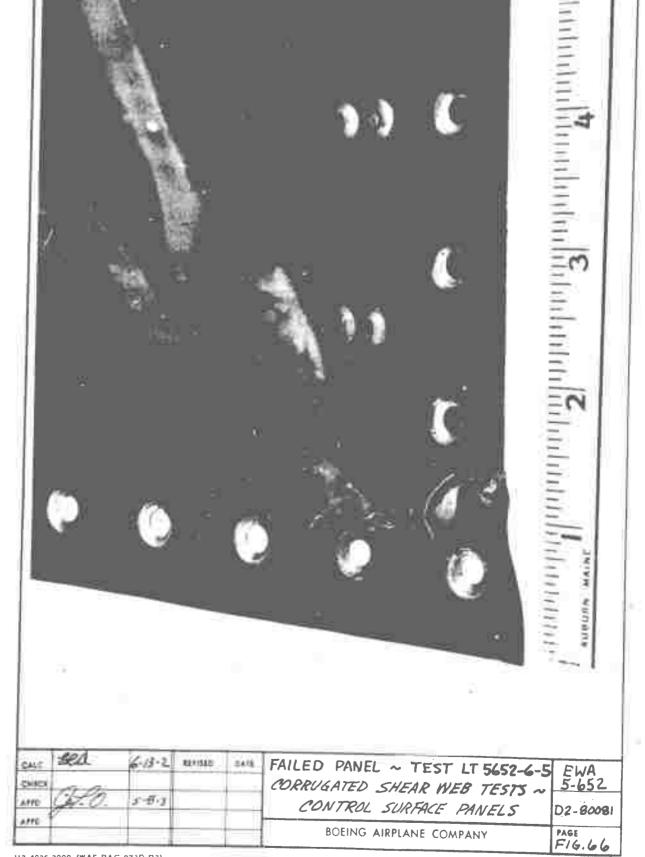


	666	6.72.3	200	II SAI	FAILED TO IN
CALC	GACTI	B. 19 . 4	1471183	PATE.	FAILED PANEL ~ TEST LT 5652-6-5 EWA. CORRUGATED SHEAR WER TESTS 5-652
CHECK	10				CORRUGATED SHEAR WEB TESTS 5-652
APPD	G 5.0.				CONTROL SURFACE PANELS D2-80081
APPD				-	
					BOEING AIRPLANE COMPANY

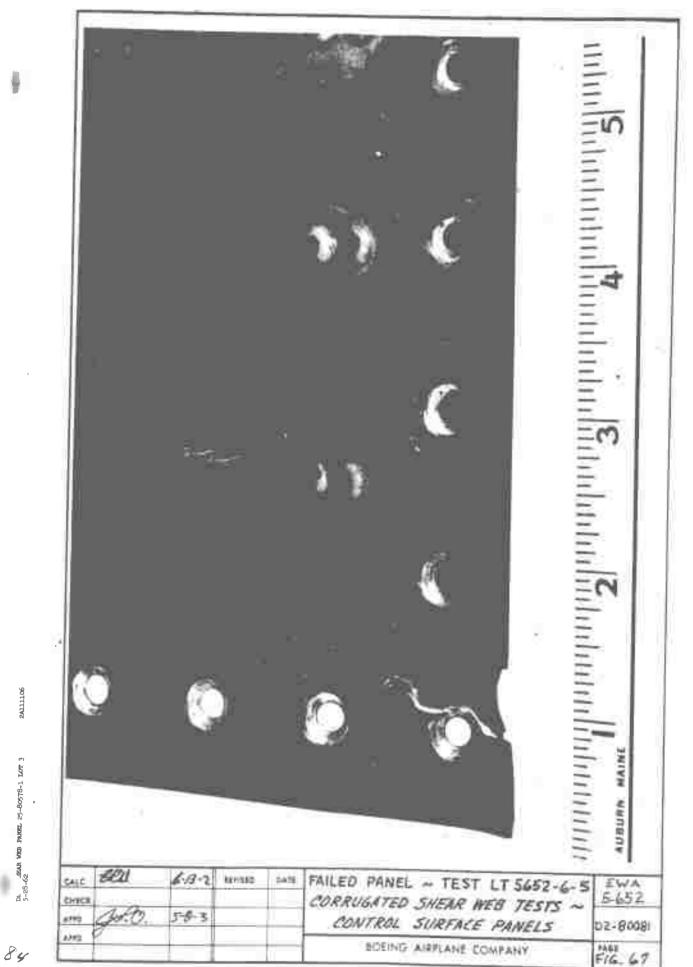
U3 4036 3000 (WAS BAC 973D-R3)

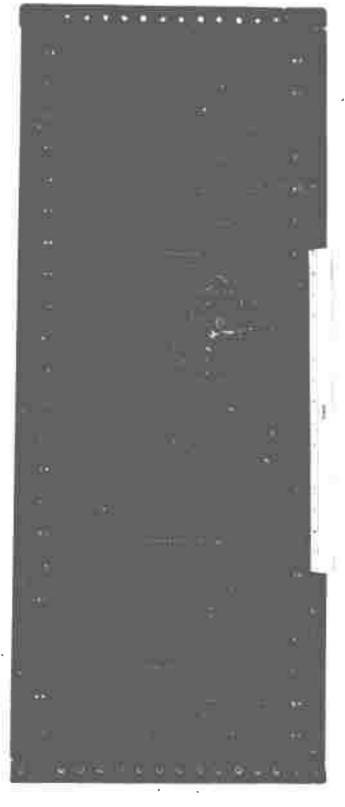
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U3 4036 3000 (WAS BAC 973D-R3)





		1		T		
CALC	ERO	6-13-2	REVISED	DATE	FAILED PANEL ~ TEST LT 5652-6-6	EWA .
CHECK					CORRUGATED SHEAR WEB TESTS ~	5-654
APPD	(-O.			-		D2-80081
APPD	- C				BOEING AIRPLANE COMPANY	PAGE FIG. 68

U3 4036 3000 (WAS BAC 973D-R3)

DS-1 STEAR MES PAREL 25-80578-1 LOT 2 BOTTON VIEW 55-80578-1 LOT 2

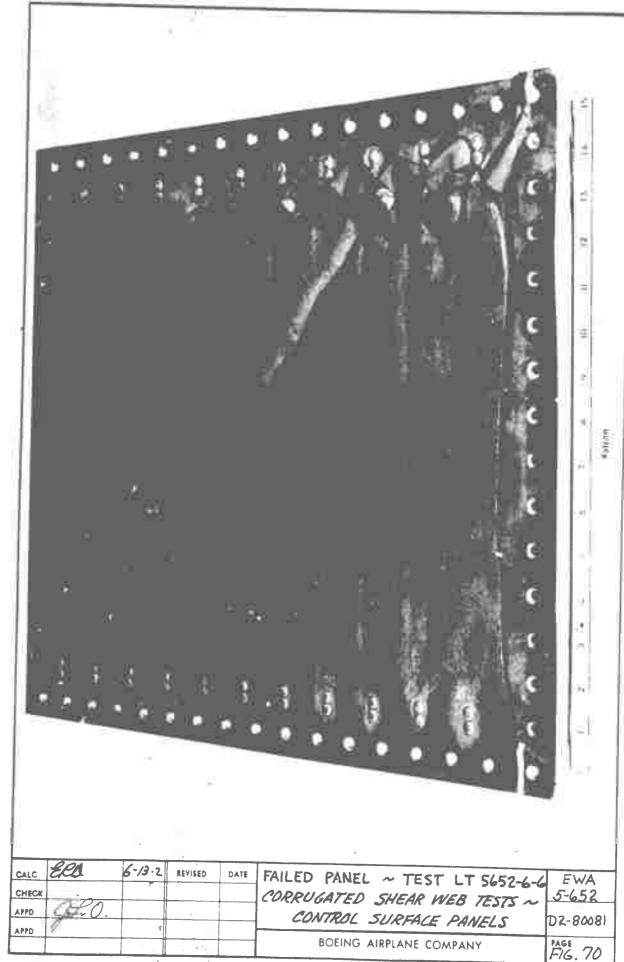
86

CALC CHECK APPD		6-13-2	REVISED	 FAILED PANEL ~ TEST LT 5652-6-6 CORRUGATED SHEAR WEB TESTS ~ CONTROL SURFACE PANELS	EWA 5-652
	2000 (WAS BAC			BOEING AIRPLANE COMPANY	FIG. 69

U3 4036 3000 (WAS BAC 973D-R3)

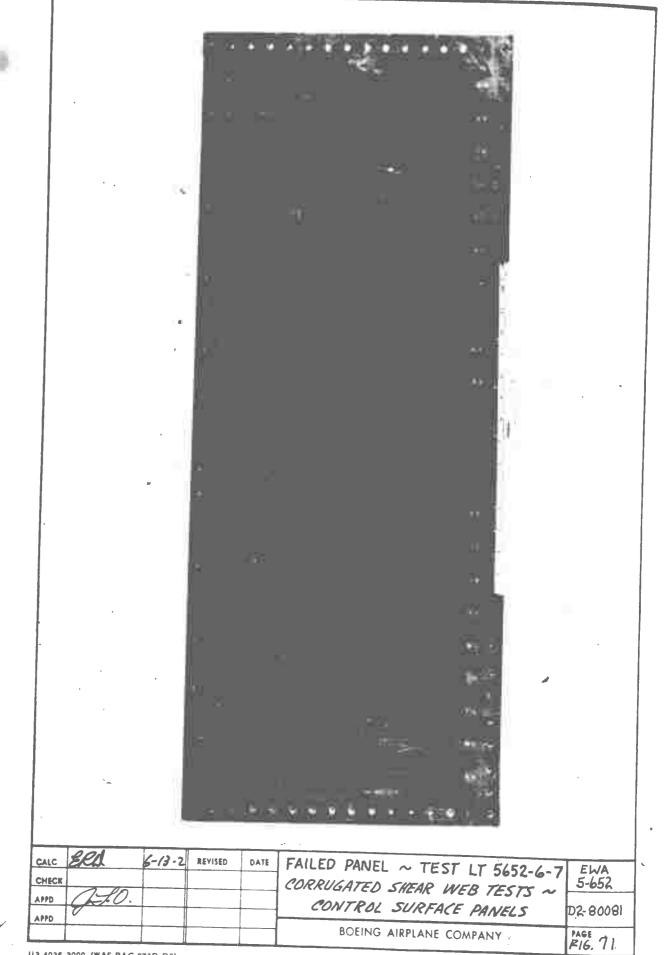
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U3 4036 3000 (WAS BAC 973D-R3)

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U3 4036 3000 (WAS BAC 973D-R3)

DG-1 SERAR WEB PARE, 25-80576-1 LOF 7 BOTTON VIEW 5-80-62

6.13.2 FAILED PANEL ~ TEST LT 5652-6-7 REVISED CHECK CORRUGATED SHEAR WEB TESTS

U3 4036 3000 (WAS BAC 973D-R3)

PAGE F16.72

EWA 5-652

D2-80081

CONTROL SURFACE PANELS

BOEING AIRPLANE COMPANY



24111456 SHRAR WEB PANEL - 25-80578-1 LOT 1

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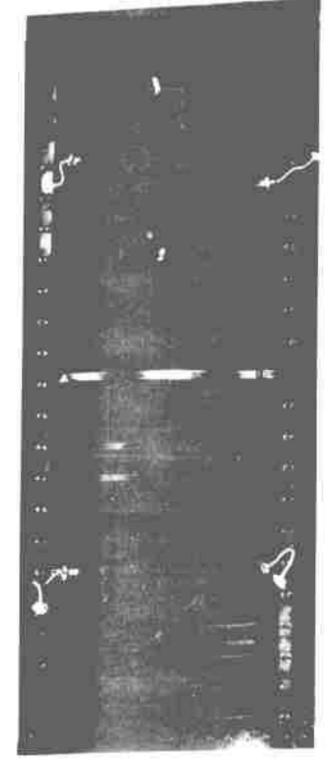
-					•	
CALC	Ees	6:13-2	REVISED	DATE	FAILED PANEL ~ TEST LT 5652-6-8	EWA .
CHECK					CORRUGATED SHEAR WEB TESTS ~	5-652
APPD	450				CONTROL SURFACE PANELS	D2-80081
APPD					BOEING AIRPLANE COMPANY	PAGE 74

U3 4036 3000 (WAS BAC 973D-R3)

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ALAN WES PARE - 25-80578-1 (OT 1 2A111457 B...ON VIN VIN 5-31-62



CALC	801	6-13-2	REVISED	DATE	FAILED PANEL
CHECK	10			1	CORRUGATED SHE
APPD	(460)				CONTROL SUL
APPD					The control of the second seco

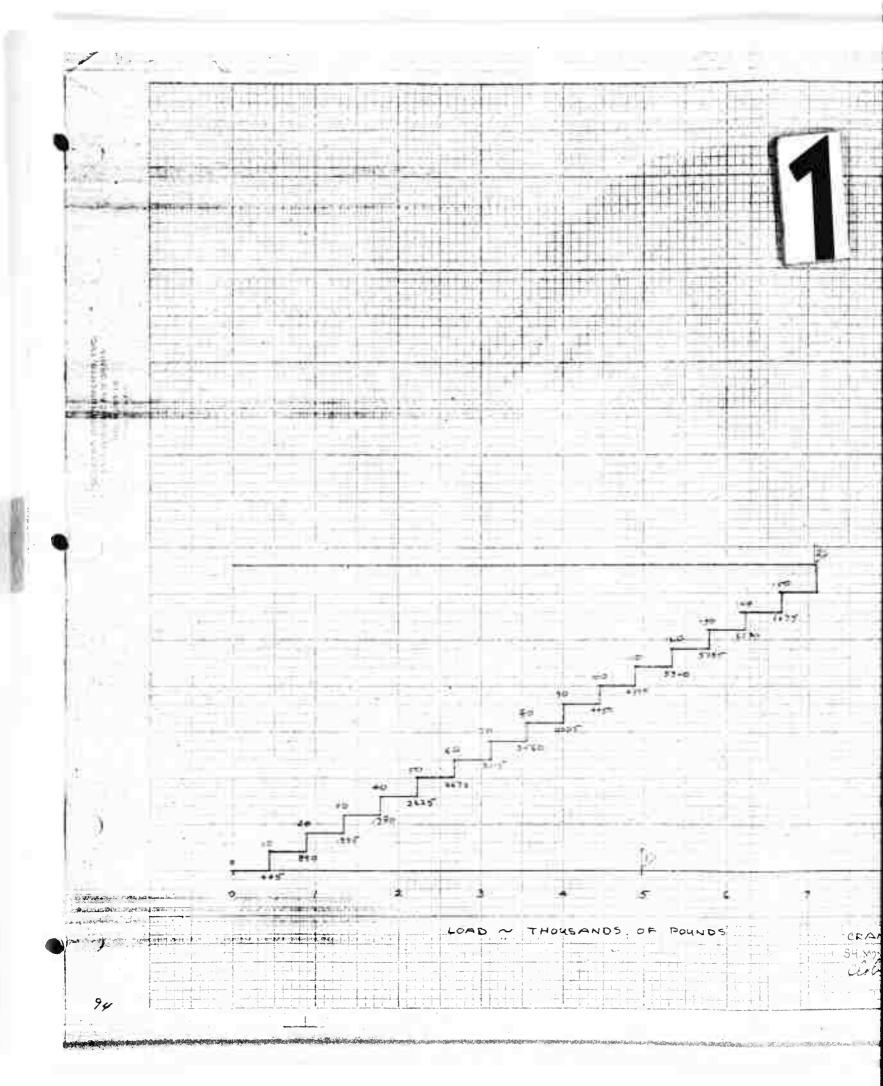
ST LT 5652-6-8 WEB TESTS ~	EWA 5-652
F PANELS	D2-80081
YMAAMY	FIG.75

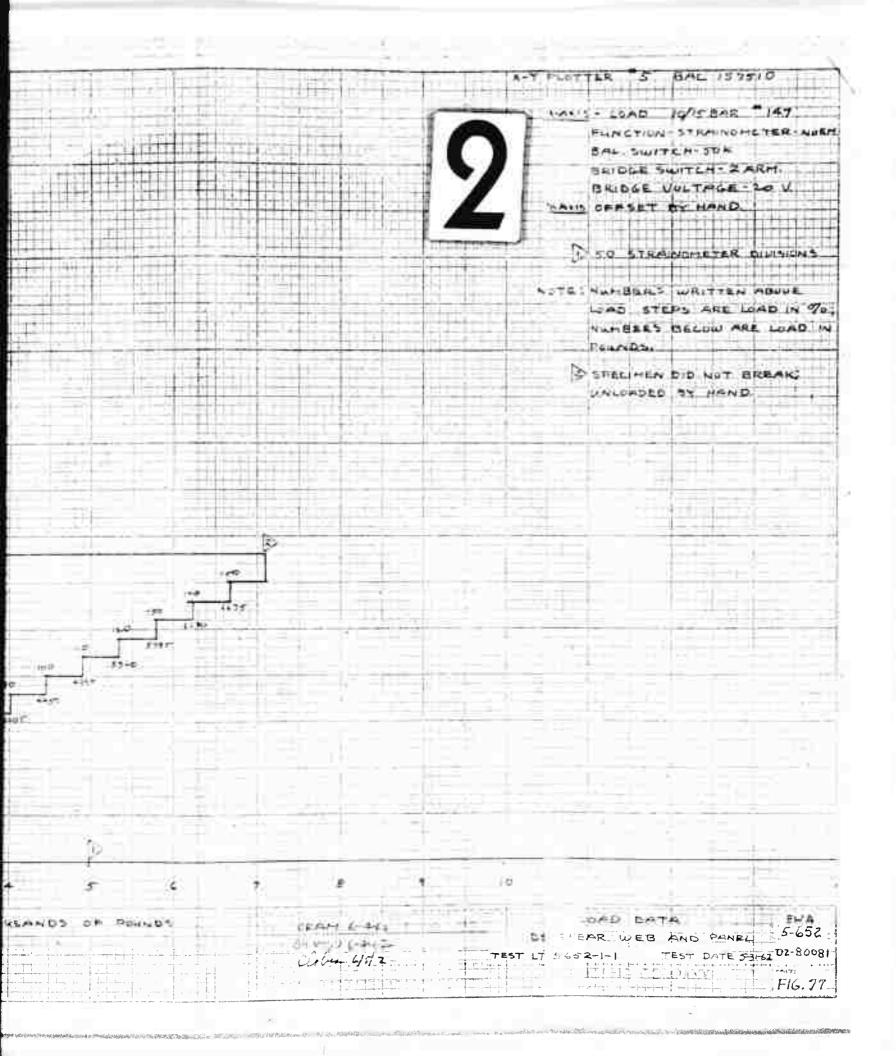
92 U3 4036 3000 (WAS BAC 973D-R3)

2-7000



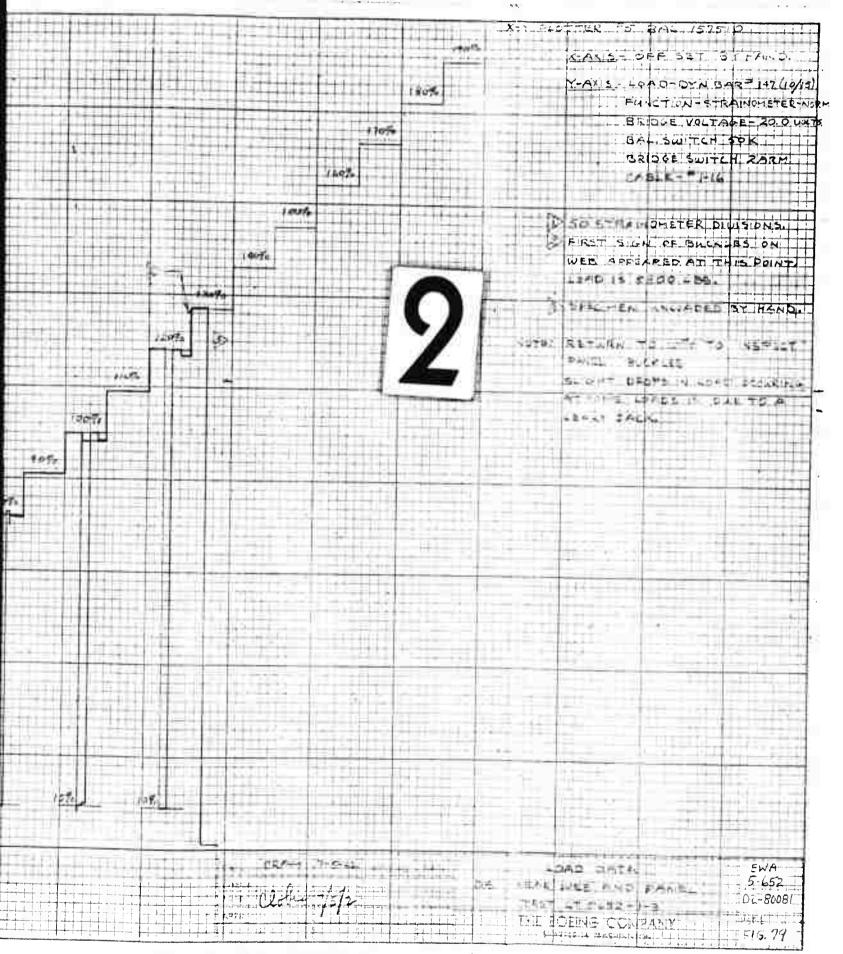
U3 4036 3000 (WAS BAC 973D-R3)



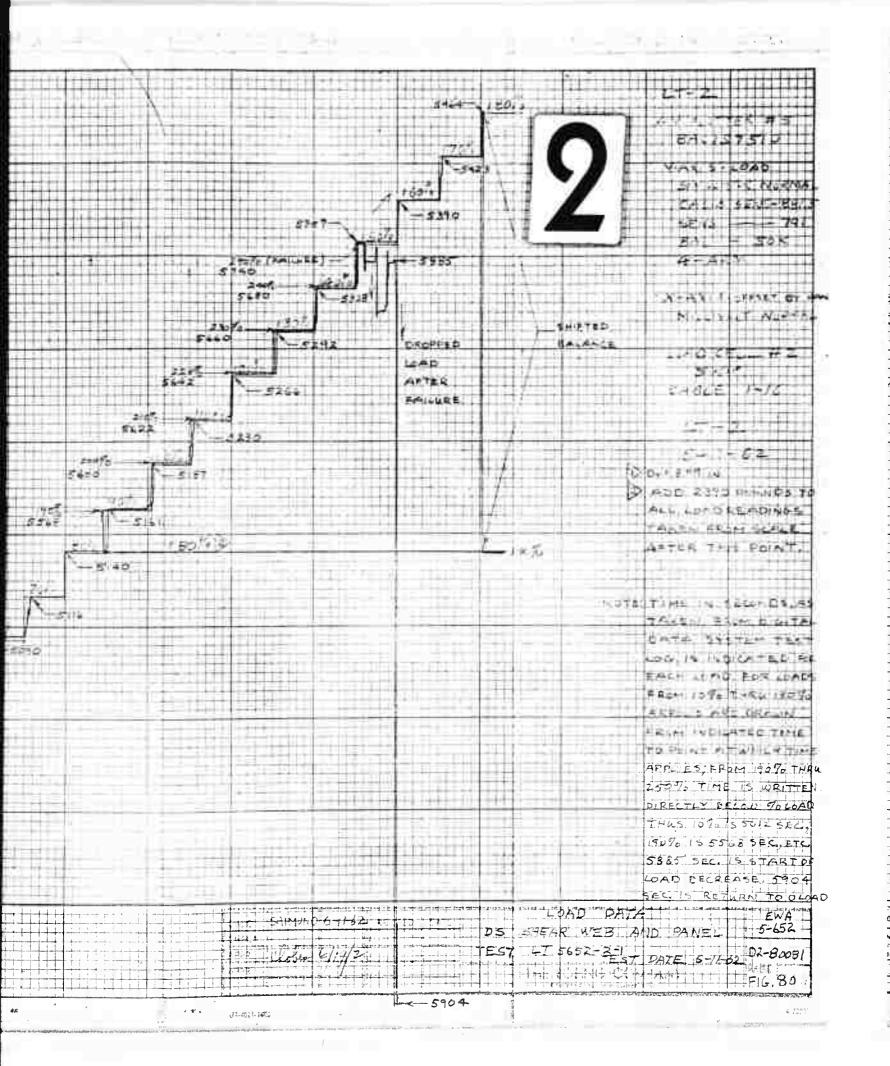


COLLY CONTRACTOR Ţ, 140 GIE 1240 Ĭ., Ţ, 2 THOUGHNES CRA

PLOTTER 5 BAC 15710 X-Y PLOTTER 5 Y-AXIS - LOAD INIS BAR #147 FUN CTION-STRAINOMETER-NORM BAL. SWITCH- SOK BRIDGE SWITCH- 2 ARM BRIDGE VOLTAGE - 20.0 V. TANS DEFSET BY HAND. D TO STRAINOMETER DIVISIONS NOTE: HUMBERS WRITTEN ABOUE LOAD STEPS ARE LOAD IN TO; NUMBERS BELOW ARE LOAD IN POUNDS. DEPECHEN DID NOT BREAK UNLOADED BY HAND. LOAD DATA CRAM 6-18-62 EWA SHIMOND 6-18-62 Cuel- 4/18/52 DS SHEAR WEB AND PANEL TEST LI-5652-1-2 TEST DATE 6-6202-80081

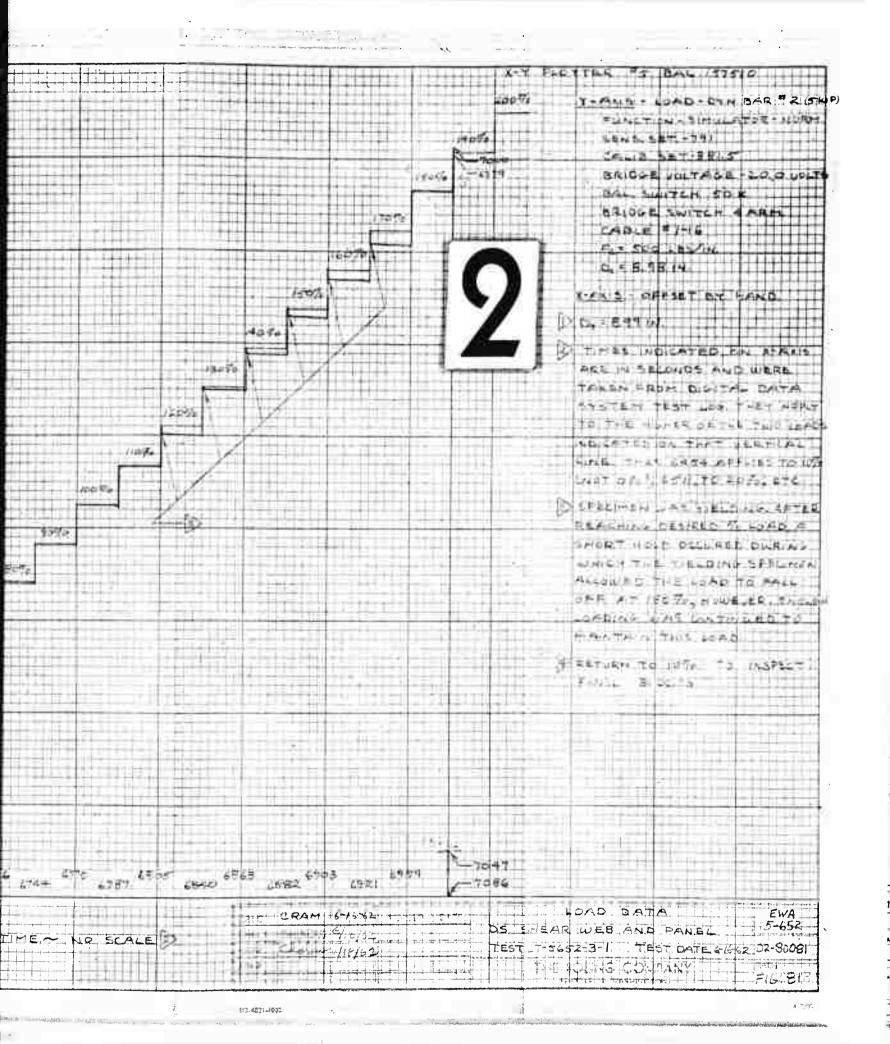


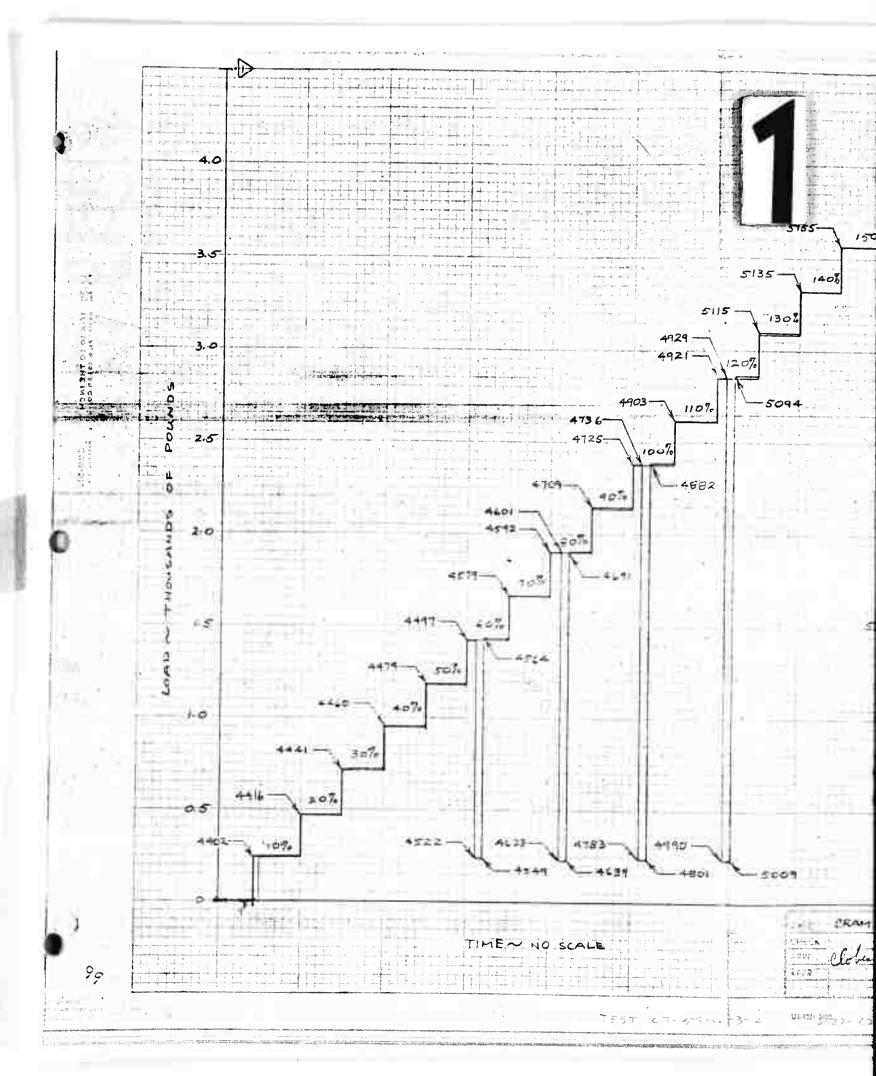
41-4031-1653

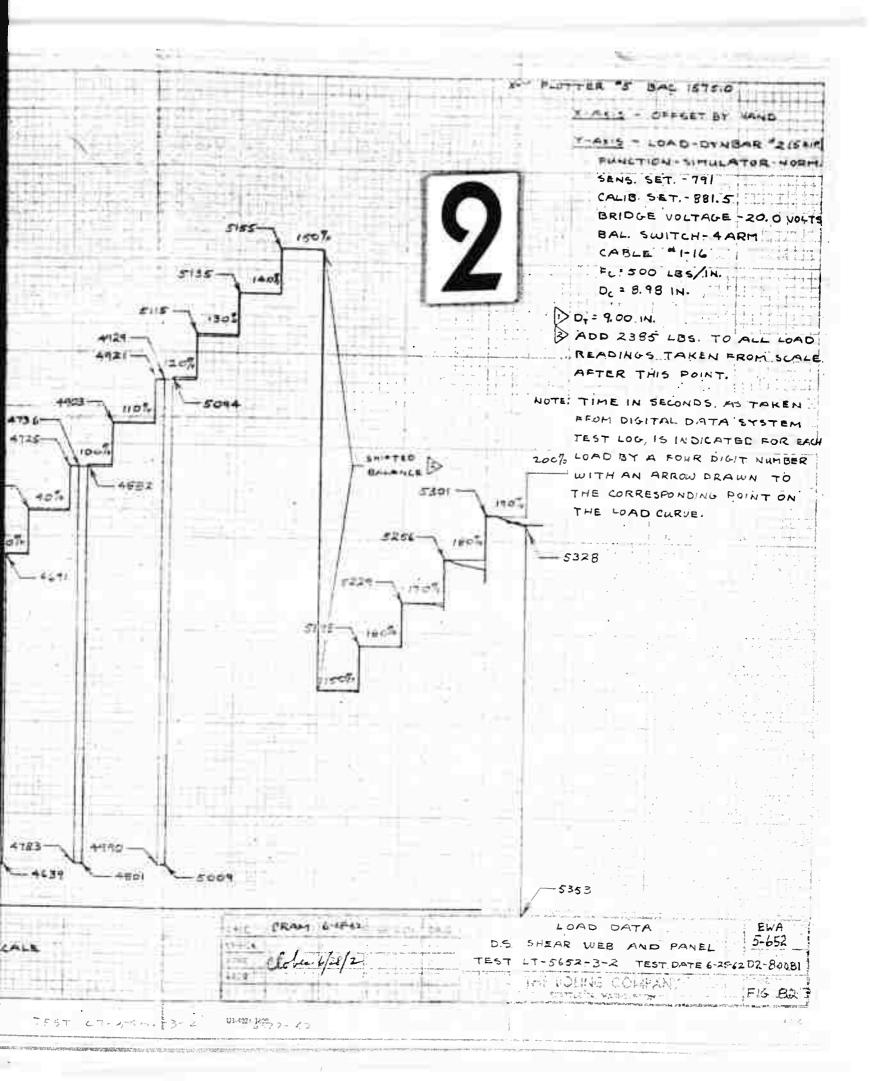


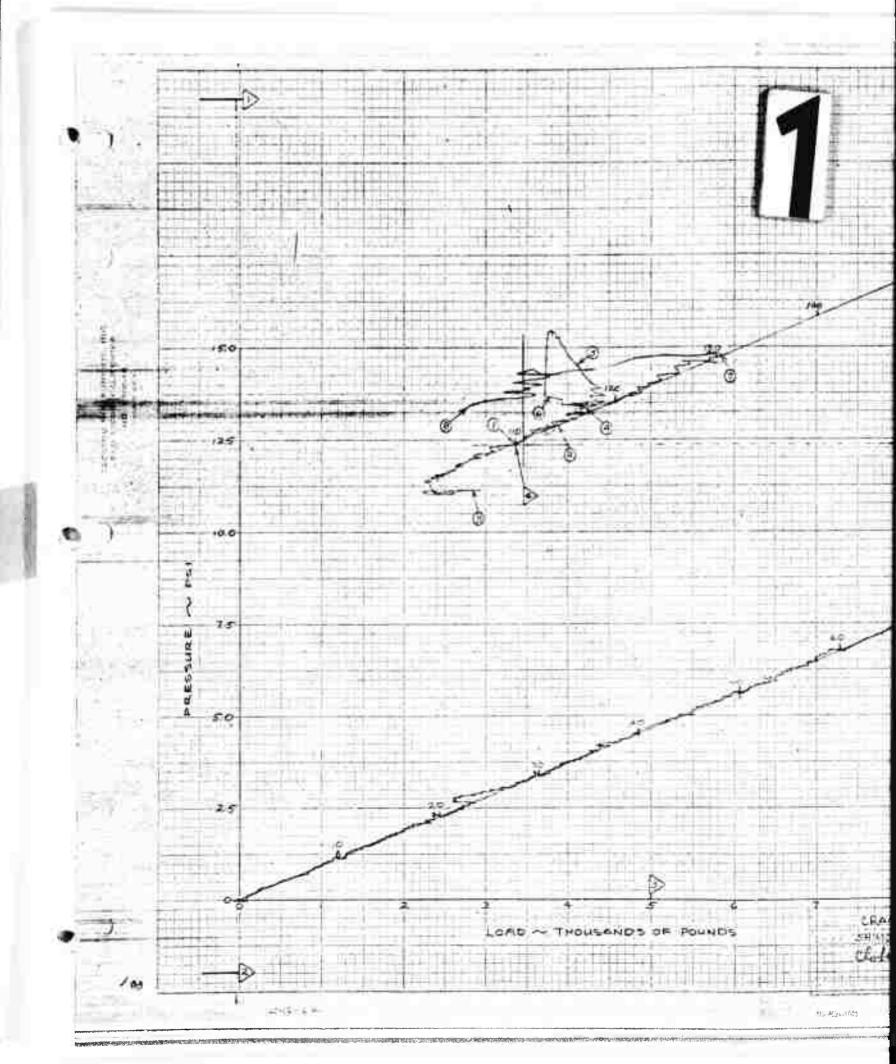
1/3.6521_1095

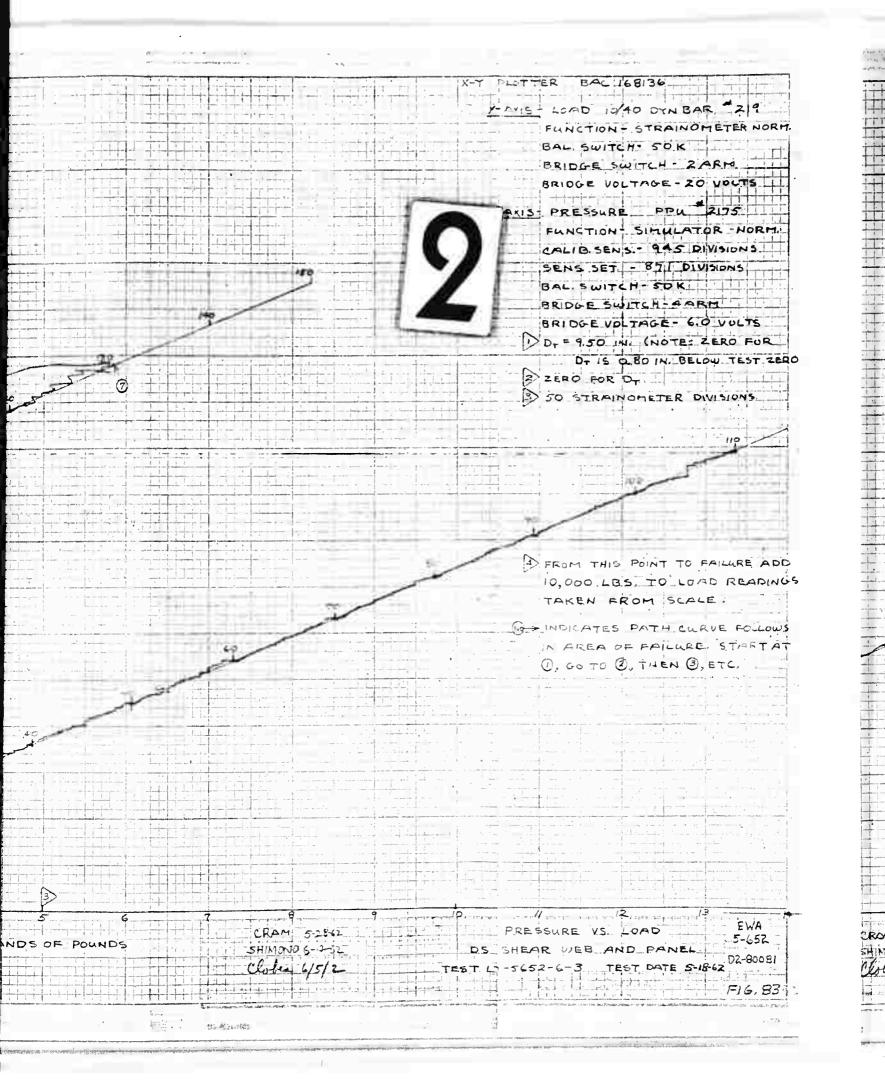
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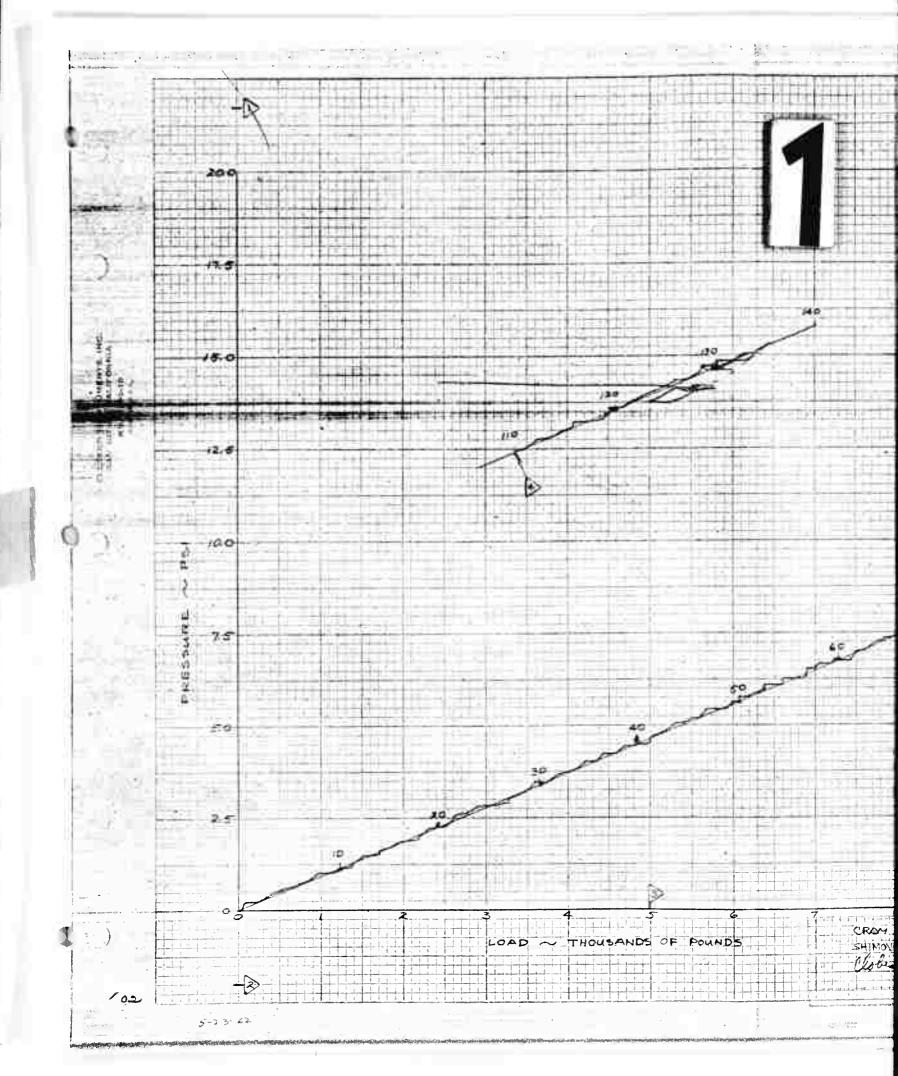


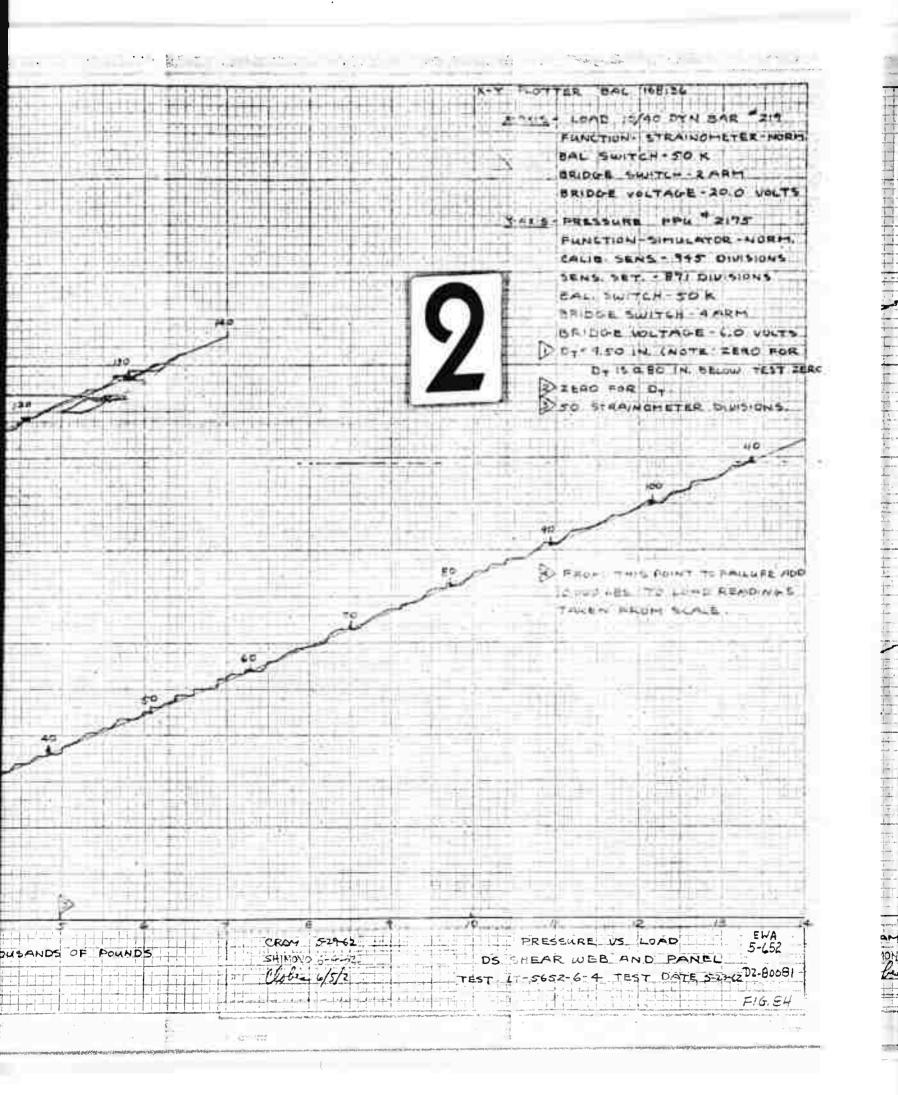


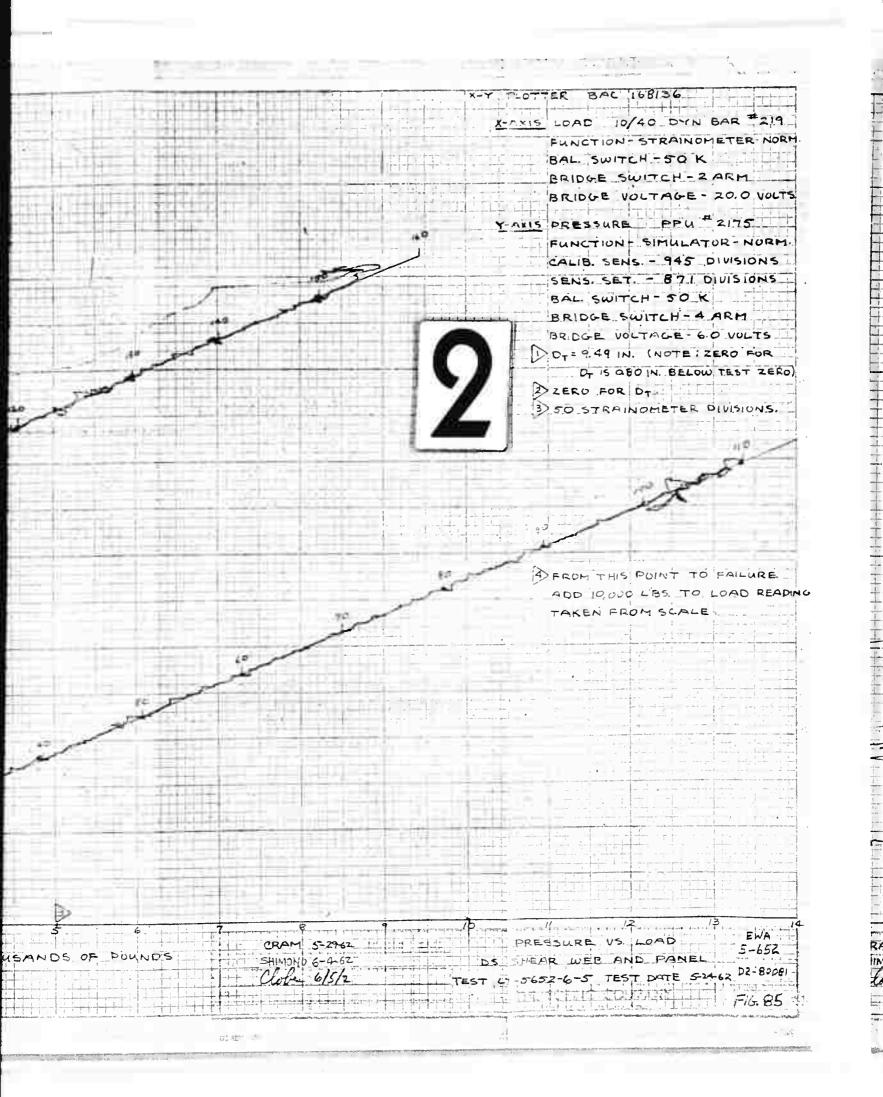


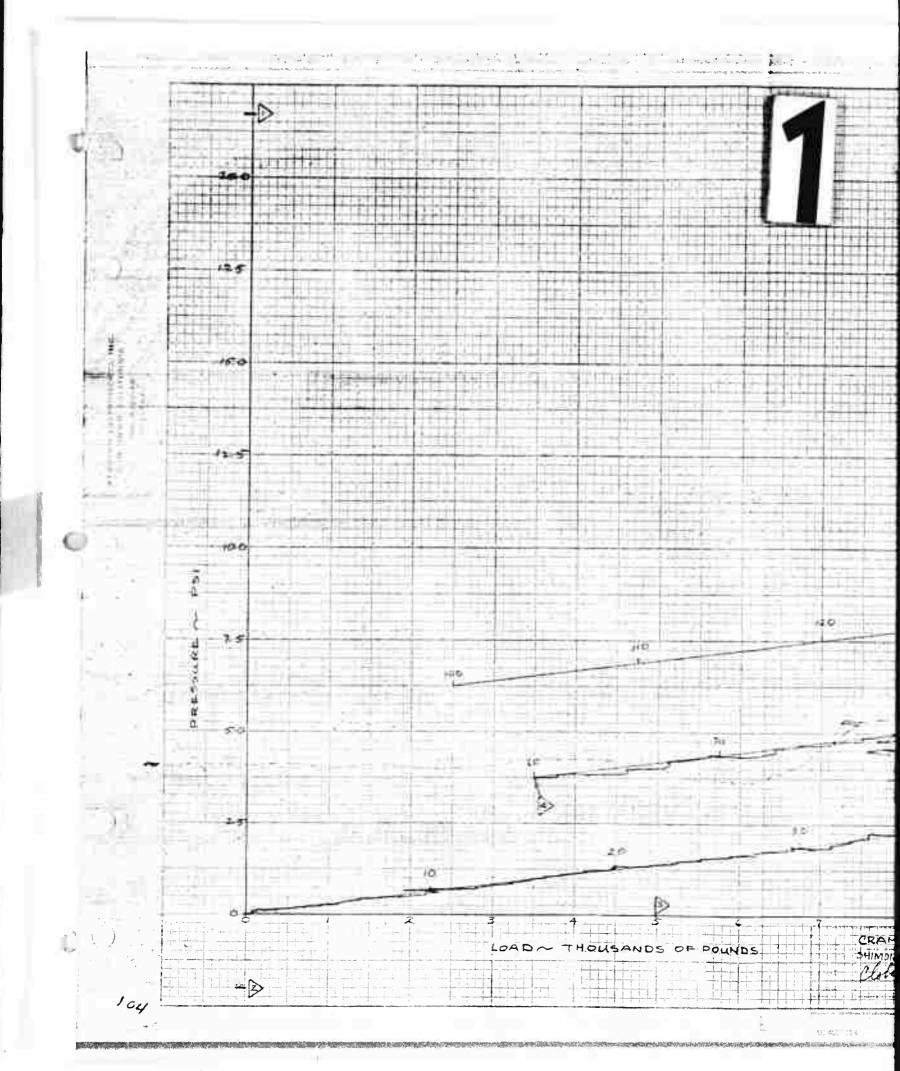


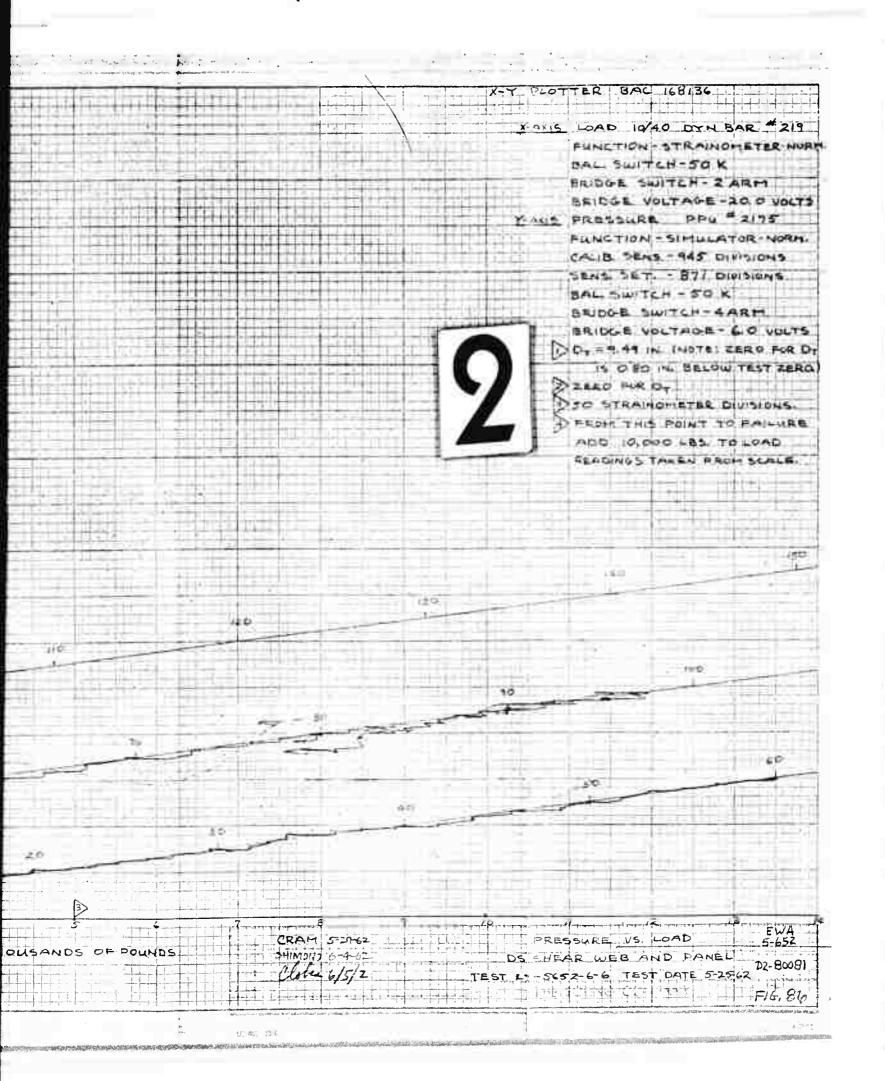


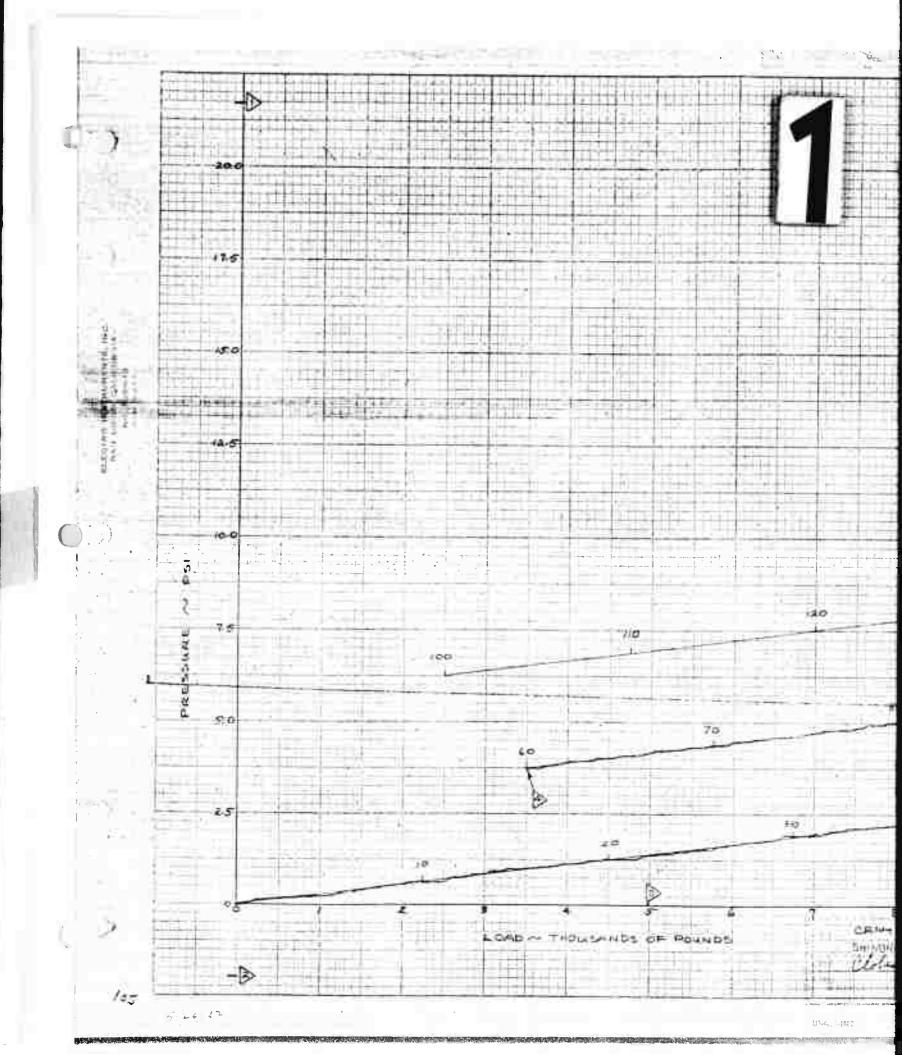






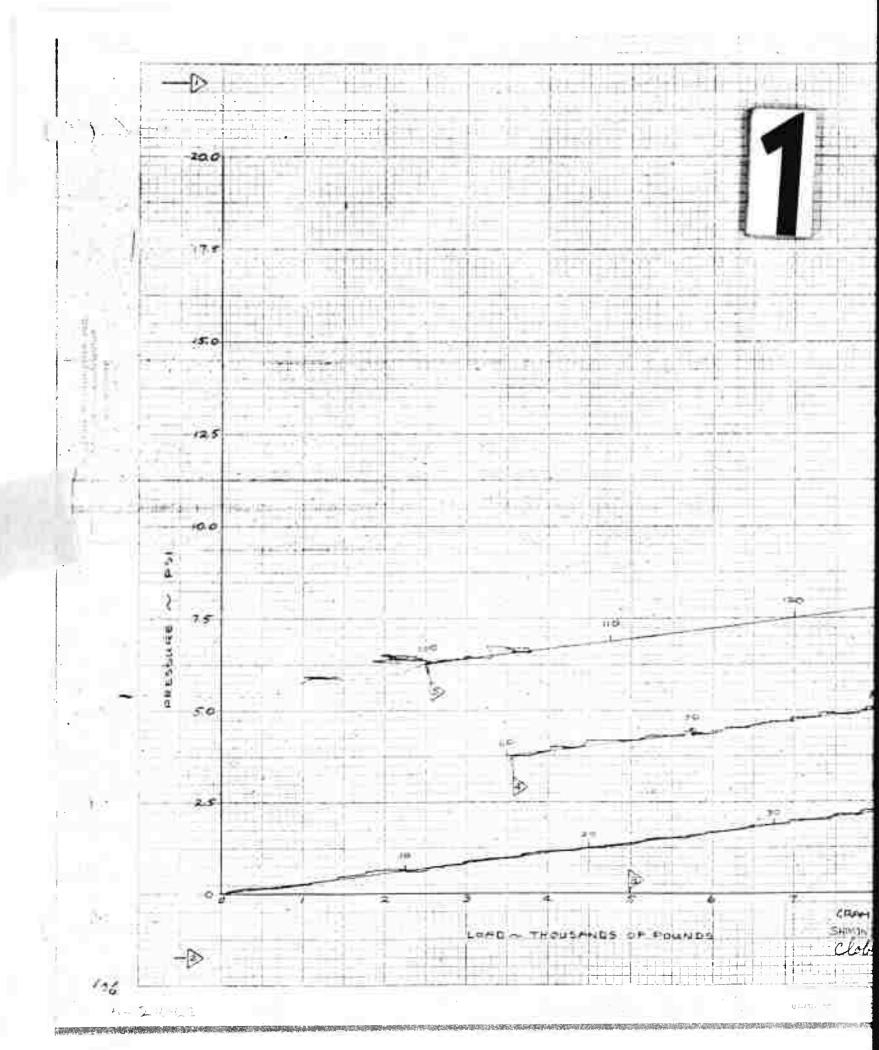






X-Y PLOTTER BAC 168136 LOAD GAC DYN BAR #219 FUNCTION STRAINOMETER NORM BAL SWITCH-SOK BRIDGE SWITCH - ZARM BRIDGE VOLTAGE -20.0 VULTS Y-AXIS PRESSURE PPU # 2175 FUNCTION-SIMULATOR-NORM. CALIB. SENS . -945 DIVISIONS SENS SET - 871 DIVISIONS BAL SWITCH - 50 K BRIDGE SWITCH - 4 ARM BRIDGE VOLTAGE - 6:0 VOLTS DT = 9.48 IN. (NOTE: ZERO FOR DT IS 0.80 IN DELOW TEST ZERO.) Z ZERO FOR DT. 3 50 STRAINOMETER DIVISIONS. FROM THIS POINT TO FAILURE ADD 10,000 LBS. TO LOAD READINGS TAKEN FROM SCALE :30 100 70 20 CRAM 512442 RESPURE VS. LOAD HOUSANDS OF POUNDS SHIMDKO 6-7-62 DS SHEAR WEB AND PANEL D2-80081 TEST LT 5652-6-7 TEST DATE 5-26-62 F16.87-

X-Y PLOTTER BAC 16836 LOAD IC/40 DYN BAR #219 FUNCTION - STRAINOMETER NORM BAL SWITCH - 50 K BRIDGE SWITCH - ZARM BRIDGE VOLTAGE - 20.0 VOLTS THE PRESSURE PPR # 2175 FUNCTION-SIMULATOR-NORM. CALIB. SENS . - 945 DIVISIONS SENSUSETL - 871 DIVISIONS BAL SWITCH - 50 K BRIDGE SWITCH - 4 ARM BRIDGE VOLTAGE - 6.0 VOLTS DT = 9.48 IN (NOTE: ZERO FOR DT IS 0.80 IN. BELOW TEST ZERO.) 2 ZERO FOR DT. 3 50 STRAINOMETER DIVISIONS. FROM THIS POINT TO FAILURE ADD 10,000 LBS. TO LOAD READINGS TAKEN FROM SCALE 120 20 PRESSURE VS. LOAD EWA CR.DM 5-29-62. 5-652 HOUSANDS OF POUNDS SHIMOKO 5-1-62 DS SHEAR WEB AND PANEL TEST LT 5652-6-7 TEST DATE 5-26-62 D2-80081 Clotin 6/5/2 F16.87



X-Y POTTER BAC 168136 - 100136 · . . X-2015 LOAD 10/40 DYN BAR #219 FUNCTION- STRAINOMETER NORM BAL SWITCH-SOK BRIDGE SWITCH - ZARM BRIDGE VOLTAGE 120.0 VOLTS Y-AXIS PRESSURE PPU #2175 FUNCTION- SIMULATOR NORM. CALIB. SENS - 945 DIVISIONS SENS. BET. - 871 DIVISIONS BAL SWITCH - SOK BRIDGE SWITCH - 4 ARM BRIDGE VOLTAGE - 60 VOLTS DOT = 9.49 IN. (NOTE: ZERO FOR DT IS 0.80 IN BELOW TEST ZERO) ZERO FOR DT. 3 50 STRAINOMETER DIVISIONS 4. FROM THIS POINT TO 3. ADD . 10,000 POUNDS TO LUAD READINGS THIN FROM SCALE FROM THIS POINT TO FAILURE ADD 10,000 POUNDS TO LOAD ELPOINGS TALEN FROM SCALE. 110 PRESDURE IS LOAD CRAH STHE DS HEAR WEB AND PANEL MINDS OF FOUNDS DZ-80081 TEST LT 5652-6-8, JEST, DATE, 5-28-62 F16, 89

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30	1335		.078			•					
40	1780		.096	.033	.086	-008	1.0,	.009	.014	.028	
50	2225						.014		.018	.036	
60	2670		.133				.517		.020	.044	
70	3115		.151				.020				
80	3560		.170	.070	.158	,024	.023	.028	.026	.062	
90	4005	}	.189	.079	.175	.028	.026	.033	.029	.070	
100	445C		.208	,028	.193	.032	.028			.079	
110	4895		i!				.032			.087	
120	5340		.244	.108	.229	.041	.034	.049	.035	.097	
130	5725		.263	.117	.247	.046	.038				
140	6230	/	.283				.040				
150	6675						044				
160	7120		.567	.143		Ĭ		.113			
0	0		.158	.005	.169	.008	.004	.018	100,	.010	
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CHECK	Baiaa Forten SHIMONO	9/1/62	REVISED	DATE	,	FAR	T 565	B AN	N D PAN	DZ-800	52

THE BOEING COMPANY
SEATTLE 24, WASHINGTON

PAGE F16.89

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20	890		.049								
30	1335	,	.067								
40	1780		,086								
50	2225)	.104	.041	.090	.015	.011	010	.014	.041	
60	2670		.124								
70	3115		.145	.056	-128	,019	.017	.022	810.	.056	
80	3560	}	.167								
90	4005	1	.191	.072	151.	.021	.522	.026	.022	.071	
100	445C		.213	080,	.191	.023	.024	.028	.024	PT0.	
110	4895		.230	.088	.207	.026	.027	.032	.026	.087	
120	5340		.250	,097	.226	.030	.029	037	,029	.094	
130	5785		.268	.106	.2A3	.034	.032	,041	.030	.102	
140	6230		.286	.115	.259	,038	.034	.045	,034	011.	
150	6675	/	. 3'09	1124	.281	.043	.037	, 0 50	.036	.118	
160	7120		.404	132	.376	.052	.039	.062	.038	.125	
170	7565		,615	.139	.586	880	.039	103	.042	.135	
180	8010		.772	.144	.751	.123	.039	.139	.044	.142	
0	0		.238	.013	.246	,009	,002	,020	.005	0	
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CALC			REVISED	DATE	ED.		WEB			EWA 5-65	
CHEC APR	SHIMONO				4		LT 56			DS-80	081
APR	Clobe	4/14/62			**		ING COM		The Market of the State of the	PAGE	20
			SEATTLE 24, WASHINGTON FIG. 90								

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30	1350		100								
40	1800		.137	.035	143	.039	.023	.022	.028	.030	
50	2250		161								
60	2700		190	.055	194	.061	.031	.032	.037	049	
10	450		.100	013	.103	0	016	0	.018	011	
60	2700				,				037		
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80	3600		.233	.075	.238	.085	037	040	,044	.069	
10	450								019		
80	3600								,044		
90	4050		,259	.088	264	.099	,040	.OA7	.047	083	
100	4500		279	,098	282	110	042	051	.048	093	
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APR	Clobes	1/25/2				•	ING COM			PAGE FIG.	

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10	450		.137	022	.145	.003	021	.001	018	022	
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130	5850								.054		
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APR	Clone				7	THE BOE	ING COM			PAGE FIG.	92
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10	3.46		.029	.122	.123	O65	.053	.003		100000000000000000000000000000000000000	
20	6.92	-	.051	.195	194	.094	.061	.006	ō23	023	
30	10,38	3		.268						1	
40	13.84	<u> </u>		332							
50	17.30		-106	.394	394	Ten.	,083	026	TEA	7061	F
60	20.76		.129	468	467	225	,088	.033	579	774	
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20	2.43			.051							
30	3.64			.087							
40	4.86		.039	T21	.117	.048	.015	.067	.094	.069	
50	6.08		.042	, 153	.148	.059	.027	.084		,086	
60	7.29			_			.038		.146	.704	
70	8.51		.050	.206	.201	.080	.044	.TIB	.171	.122	
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90	10,94		.059	.249			,054				
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APR	SHIMONO '	6/12/62			·		652-6			D2-80	180
APR	Cloben	1/3/2			T		ING COM			FIG.	95

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	30	3.6A			150.							
_	40	4.86		.013	.095	,094	.041	.042	.049	571	-M2	
	50	6.01		.016				I I	.067			
	60	7.29		.019	, ,				,090			
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_	90	10.94		.031	-214				.136			
-		12,15	/					.067		-217	.149	
_				.034					.183		,172	
_	110	13.37		.038		.254	. 104	.075	.204	.278	,195	
-	120	14,58		.042	.279	.276	.113	.078	.227	310	7219	
	130	15.80		,046	,301	1298	.122	,082	.251	.3A1	.241	
·	136	17.45			.378	5PG	CIMEN	FAIL	.E.O			1
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30	3,64			.069						à.			
40	4.86		.017	.098	.099	.050	,033	.058	.080	.057			
<u> 50</u>	6,01		.019	.131	.132	.063	,047	.077	.110	.078			
60	7.29		.022	.161	.162	.074	.057	.102	.741	.097			
70	851		.025	.184	.186	.083	.062	.122	.173	.124			
80	9.72		.029	,207	.209	.094	.067	.141	.203	.147			
90	10,94		.033	,230	.231	.103	.070	.161	.235	.169			
100	12.15	V	.036	,251	.253	.113	.074	.T81	.264	.795			
110	13.37		.027	.353	.357	.122	.062	,300	.635	.332			
120	14.58		.024	.399	,407	.131	.059	374	760	.390			
130	1580		.015	.513	.528	.143	.044	,496	OFF SCALE	.529			
140	17.01		,014	.556	,579	.152	.039	,542		.576			
150	18.23		.013	.617	.658	.162	.035	.593	Y	.626			
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CALC	BAIDA	6/6/62	REVISED	DATE D	S SHE	I DE	VEB	AOITZ QUA	PANE	EW1			
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APR	Clober	6/13/2			•		ING COM			PAGE FIG.	9.7		
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1,	<u> </u>	OAD			E	DI	LOC	ATIC	77	•		
	%	KIPS	5	DO	DOS	D03	D04	DOS	DOG	Dor	D08	
				+		LEC		1	INC		, ———	
	0	0		0	0	0	0	0	0	0	0	•
	10	2.25		1.011	,04E	.047	.027	.014	.015	,009	- - - -	
	20	4,50		ļ	.099						!	
•.	30	6.75			.145							
	40	9.00		. 025	1790	.184	.037	.060	.048	-069	049	
	50	11.25		,031		.224						<u> </u>
•	60	13.50		,036		.263						
	70	15.75	Js.	.042	.309	.302	.139	.081	.092	.128	.096	
	08	18.00	1	.047		.358						
	90	20.25		.034		.518	ſ		1			
•	98	22.05			.654			IME		XIL		
	0	0										
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		FOR	EDI	CLI	PI	DCATI	ONS		E T		1 2 200	10)
		5.1.1.				,	.010.			-165.	17 \$	18.
				,				1	45		17	4
i ,	CALC	BAIDA	6/6/62	REVISED	DATE _	ED	1 DE	FLE	CTIO		EWA	12
	CHECK	JORTON 6	18/42		0	S SH	EAR	WEB	AND	PANE		
116	APR APR	Confres	6/13/2					NG COMF			D2-800	
			1.01		,			4, WASHING			PAGE FIG. 90	9,
	*** ***											_

DESI	RED		EDI LOCATION DOI DOZ DO3 DO4 DO5 DO6 DO7 DO8										
70	KIPS		001	D 02	D03	D04	005	DOG	D07	Dos			
		r	←	DEF	LEC	TION	J~	INC	HES	>			
0	0	,	0	0	0	0	0	0	0	0			
10	2.25		.004	.049	.048	.035	.011	.004	.006	,003			
20	4.50			.100						4			
30	6.75			,143						, , ,			
40	9.00	,	.039	.190	.182	.095	.058	.032	.04e	,026			
ಕಂ	11.25		.047	.235	.229	.113	,06A	,048	.067	.040			
60	13.50		,055	.275	.268	,131	.071	.061	,086	.053			
70	15.75		.063	.314	,306	,149	.077	.075	.105	.065			
80	18.00	V	.073	.353	,346	,166	E80,	.090	T25	.079			
90	20.25		.083	.394	,389	.184	,089	.702	.147	.095			
97	21.85			,586	5	PECI	MEN	7 1	LILE	0			
0	Đ		.004	-,188	,185	, 022	.011	.075	.120	.138			
											· · · · · · · · · · · · · · · · · · ·		
	FOR	EDI	CLIF	P \ C	CATI	ONS	SF	E E	165.	17 €	181 /		
	, ,						12, \7		1	/: -17			
							1 1		7		-2.18		
	BAIDA	6/7/62	REVISED	DATE _	ED,		FLEC			Eh			
	HORTON	6/7/62			YS SH		. WIS T' 565 2		TD NAV	DS-8			
APR APR	SHIMONO					*	EING CO		<u></u>	PAGE			
	Copia	7019					24, WASHIN			FIG.			

		DAD			EDI LOCATION DOI DO2 DO3 DO4 DO5 DO6 DO7 DO8										
	70	KIPS		DOI	002	D03	D04	DOS	DOG	007	Dos				
						1		1	INIC						
	0	0		0	0	0	0	0	0	0	0	٠			
	10	225		.007	.014	.046	.029	.012	.005	.008	.007				
	20	4.50			.095										
	30	6.75			.133										
	40	9.00		.035	.178	081.	.088	,06A-	.034	.047	.027				
	50	11.25		.043	.221	.226				.068	.044				
	60	13,50		.050	.258	.26A-	.123	.078	.062						
	70	15.75	,	.057	,300	.309	TAI	.085	.078	.113	.076				
	80	18,00		.066	.337	.348	.158	.096	,094		.096				
_	90	20.25		,0TA	.377	,393	.176	097	.709	.162	.77.				
	100	22.5C	Ľ	.068	.531	.564	.192		.239						
Ī	106	23.85			.638						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
-	0	0		.061		.612	.002	.059	,561	401	.136				
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		FOR	EDI	CLY	P	OCAT	101	5 51	EE #	165	17/5.	121			
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_	CALC	BAIDA	47/47	REVISED	DATE	ED	1 [)EFI	ECT1	011	EW.				
		HOR TO!	6/7/62	AC VISED	C	5 51	S A S H	. WEB	AMD	PANE					
	APR APR	Clobes						5652-			DZ-80				
			7.71			1		24, WASHING			PAGE FIG.	100			

STRAIN ROSETTE TABULATIONS

ROSETTE NOS. 1 to 10 (See Fig. 19 for locations)

LOAD ~ %

TEMPERATURE ~ ROOM TEMPERATURE

EA-

EB EC

Strain for respective gage elements A, B, & C in 100's of Micro-Inches/Inch.

TX-E -- Maximum shear strain in 100's of Micro-Inches/Inch.

EX - Maximum principal strain in 100's of Micro-Inches/Inch.

EN -- Minimum principal strain in 100's of Micro-Inches/Inch.

TH -- Theta is an angle between EX and gage B ~ degrees.

Negative in gage A direction.

Note: Each Rosette Gage must be located on specimen to read clockwise for gages A, B, & C in rectangular pattern.

Signs: Negative sign means Compression except for TX which shows no sign and TC which negative means a counter-clockwise shear couple, termed left couple.

				γ		
CALC	Strickland	7/12	REVISED	DATE	CORRUGATED SHEAR WEB PANEL	EWA
CHECK					EWA NO. 05652 SFEC NO. 0102	5-652
APPD	1				· COND NO. 01 RUN 01	02-80081
APPD					BOEING AIRPLANE COMPANY	FIG 101

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	!				-	9	6	-		2.8	7	0		12.0			6.1	6-6		0		-10.03
			Y	4	0 '	•	3.3	18.03			2.7	4	0 4 0 0	•	2.3	1) • (18.55	K	•	α.ν	- 2
. **	1 1	T X - E	,	•	0 0	•	1.2	8		0.0	8.2	0.2	22 07	, ,	5.6	2		14.26	7.0		0.7	9
8-C 3-1	100'S AIN/IN	E	,	. א מא	•	•	• 0 •	~	a	.00	.24	.53	5-012		•	7.4		944-1-	7.22	7 12	•	5.87
B-C	1 1 1	89		M	0.156	2 20	0 (8.02	7 n 2	1 1	7.14	5.54	28.528	010	4	3.63	,	11.048	• 55	17 h	1 1	
8-C	1	EA	-0-	-0-	0.578	1.446		168.7	•	1000	•	6.072	8.000	11.084		11,276	C	•	,	18,505	(•
8-C	ROOM	TEMP	0	0	0	C		Þ	0		.	5	0	C		0	c	0	>	0	c	>
	%	LOAD	00•	10.00	20.00	70.00	00.00		100.00	110.00	, 0	•	0.0	00.04		150.00	160.00	00 021		00.08	00	•

CALC	CALC STOPED 1/C1/2 MAIN	107/2	New Local	200		FWA
CHECK	снеск 00-06-2				TITLE-CORRUGATED SHEAR WEB DANEL 5-65	5-652
APR	APR SHIMONO	1/13/52			EWA NO. 05652 SPEC NO. 0102	
APR	Valie 7/13/2	7/13/2			COND NO. 21 RUY 01 DZ-80081	3-8008
					THE BUEING COMPANY	
					Z.	PAGE
CONTRACT NO	ON LO					E16. 102

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		27	H	. (-0-0			2			•		0 0	0.0	•		Ø	•	•		
		1	2	0-	4) (*		•			0			4.9	-37.76	0.8))		
		1 1	Ä		1.54			2	,	0.5	7.9	0.1	2.2	24.87		5.7	24.55	8.0			
NO. 2		. W/W	TX-E	•	1.54	7.73	10.01	14.37		00.00	17.45	19,33	ď	22.36	,	•	31.16	4.6			
ROSETTE	8-C 6-1	00'S OF	E C	-0-	0-		0.482	•	٥	100.0	6	1.253	1.542			000	19.372	8.096	666 6666	8.771	
	8-C 5-1	-	E8	-0-	1.542	7.614	10.795	14.457	9	9 0	7	• <u> </u>	.26	24.866	2000	200.00	70.00	13.108	0000000	-666.6666	
	8-C	1	EA	•0-	-0-	-0.578	-0.675	-0.482	A85.0-		• • •	0.386	1.060	2.699	1 821	10000	70.070	-10.839	666.6666	-0.578	
	B-C	ROOM	TEMP	o (> (O '	0	0	c	· c	> 0	>	0	0	c	· c		ο ,	0	0	•
	,	20			00.01	00.00	00.00	00.04	100.00	110.00		00.021	130-00	140.00	150.00	160.00	170		00.081	00•	

CALC	Stun	7/02/2	7/02/2 111/15/10	DATE	EWA
CHECK	снеск 06-46-2				TITLE-CORRUGATED SHEAR WER PANEL 5-652
APR	APR SHIMONO 7/3/	1/13/62			EWA NO. 05652 SPEC NO. 0102
APR	APR Cloter 7/1	1/13/2			COND NO 01 8UN 01 02-8008!
					THE BOSING COMPANY
CONTRACT NO.	CT NO.				F16. 103

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		;	N.	-0-	1.7	4.6	5	8.		20.6	23.0	26.0	29.1	-33.20		7.	Q	-		-1-76	•
		111	×	٠,	~	8.68		0	1	٠. د د د	6.7	4.4	0.8	21.73		2.7	20.00	1.7		12.36	
•. •.		1.0	TX-E		1.73	0	9.	• 5	•	00.00	3	2.7	6 . 4	7.4		• 2	68.9	7.		7.06	
	8-C	100'S /111/12	EC		•		51.	-1.638		4 0	0.0	0	•	-	(. 45	α	4.84	.20	1.253	
	8-1-8	1 1	EB	_	1.755	- L	0.0	n	5.7	17.00.71	7	7 0	n	9	7 7	י ה	0.2.0	16.6	-666-6666	-0.482	
	B-C 7-1	1	EA	• 0	-0-0-	0.0.0 0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0.0 0.0 0.0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	7 7 7 7		-2.024	-2.795	- 3, 855		507.5	1.323	-8.192	17 721	7	0000	444.444	6*8*6	
	B-C	Room	TEMP	0 0	0 0	o C) C	•	0	0	0	· C	o c	Þ	0	c	o c	0 0	5 6	>	
	Ą	9	LUAU	00.01	20.00	70.00	00-06		100.00	0	120.00	130.00	140.00) }	7150.00	160.00	170-00	180.00		•	

CALC	Steben	7/0114	7/01/4 REVISED	DATE		
	ariti.	マハンド				EWA
CHECK	CHECK 06-06-2	,			TITLE-CORRUGATED CHEAD GED DANG: 5	5-657
APR	APR SHIMONO //3/63	1/13/4			9	
APR	01.11.	1/11/2			11	10000
	1	1111			G COMPAN	1000-1
						PAGE
CONTRACT NO.	CT NO.				<u>u</u>	F16.10+

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Ţ	97	1000000 100000		5.1 2.0 58.0 64.8	EWA 5-652 Da-80091
		-0- -1-#2 -5-30 -7-00		-14.40 -17.77 -17.17 -27.31 -31.66	PANEL NO. 010
		-0- 1-51 7-81 11.24	16.82 18.35 20.25 22.14 23.91	26.25 10.06 -9.24 -4.31 4.48	E-CORRUGATED SHEAN WEE NO. 05652 SPEC COND NO. 013
- O N	A12/12	TX-E 0. 1.46 6.55 9.12 11.95	13.35 14.54 15.96 17.42	20.32 13.91 3.97 11.50	TITLE-CORRUEMA NO. 05
STRAIN ROSETTE	B-C 4-2	EC -0.482 3.470 5.205	7.518 8.000 8.578 9.060	9.542 -2.891 -9.638 -6.939 -2.024	2 REVISED DATE
S	8-C 3-2	EB -0. 1.446 7.421 10.698	16.192 17.734 19.662 21.589 23.420	25.926 10.024 -14.939 -23.131 -27.468	206-2 7/02 MOND 7/13/6
	8-C 2-2	EA -0.386 -0.964 -0.964 -0.771	-0.578 -0.386 -0. 0.386	2.313 -4.819 -16.770 -24.673 -25.155	CAECK 06 APR S.H APR CONTRACT NO
	B-C Room	TE M 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000	00000	
	20	LOAD -00 10-00 50-00 70-00	100.00 110.00 120.00 140.00	150.00 160.00 170.00 180.00	
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		1	. A		; -	9	6	-11-84	12	7	•	0.01	-18-14		•	1 - 97	21.2	27.3	0.50	
		1	W.	,		•			0		7		15.92	•	14.00	•	• 5	-	- 1	
NO. 5		Airolio	TX-E			_	M	10.83	<	7 7	٠ -	• 0	17.03	9	00.00		7.0	8.2	-	
ROSETTE	8-C	1	ں		-0-	8	0.578	٥.	90	2 2	ו זע	M		7.3	11 443	9 0	17.	. 12	- 12	
	8-C	, , , , , , , , , , , , , , , , , , ,	EB		9	•39		•63	690	0	, ,	2 2		7	11 272	- 4		.80	64.	
ŧ	8 1 0 1 0	, 1	EA	-0-	3	-1.638	-2.409	6	.37	- 66	85	70	3	-4-337			- כ י נ		•	
i	8-C	R60 M	TEMP	Ó	0	0	0	Ó	0	0	0	0	0	С	· c	o c	0	O (0	
	•	22	LOAD		10-00			00.06	100.00	110.00	0	130.00	140.00	150.00	0	170.00			00.	

CALC	CALC 375.17 7/62/2 REVSED	7/02/2	REVISED	DATE	34	EWA
CHECK	снеск 06-06-2				TITLE-CORRUGATED SHEAR WEB PANEL 5-	5-652
APR	APR SHIMONO	1/3/62			EMA NO. 05652 SPEC NO. 0102	
APR	Clotus	1/3/2			THE BOSING COMBANY 01 02-8008	1-8008
						1
						3
CONTRACT NO.	را را را				FIG	F16. 106

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		1	W.	-0-	-1.45	-6.16	-8-69	-11-63	-13-11	1	•	-	19	2.0	-3.8	8	1.09	t. 3
		1	EX		1.54			14.32	00	7.3	8.6	20.11		2.8	6.3	2.6	48.73	6.6
		AININ	TX-E		1.49	7.12	9.85	12.98		5	7	18.81	0	2.4	0.1	7.2	23.82	2.1
	8-C 2-3	100,5001	EC	-0-	0	-1.831	-2.699	ň	3.8	3.8	6	-4.241	1 • 1	Ŋ	2.3	• 6	1.638	Φ.
	B-C	1	E8	-0-	3.446	7.518			14.843	16.385	17,734	19.276	20.625	2	8	8	29.974	3
	8-C	1	EA	-0-	.5	3.759	0	-				6.843					48.190	•
	B-C	Room	TEMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	•	40	LOAD	00•	10.00	20.00	70.00	00*06	0	0	0	0.0	140.00	0	ċ		180.00	00.

		-				
CALC	1/02/3 REVSED	7/02/3	REVISED	DATE	F	EWA
CHECK	снеск 06-06-2				TITLE-CORRUGATED SHEAR WEB PANEL 5	5-652
APR	APR SHIMONO 7/3/62	1/3/62			EWA NO. 05652 SPEC NO. 0102	(
APR	Of the 3/13/2	1/13/2			THE BOEING COMPANY	18008-70
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CONTRACT NO.	CT NO.					F16.107

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i			×		0.3	8	9	3.43		φ,	- 2	5	8	5.33	•		• •	•	14.00	•
		OF KIN/IN	TX-F		S	M	M	4.25		ω	2	9	0	6.63	2	2			74.10	•
	8-C	5,001 -	EC		.38	777.	.02	-2.506		.89	. 18	.37	.66	-3.855	• 2 th	86	80	7 2	10.087	•
	B-C 7-3	1	EB	-0-	~	1.638		3.084		- 47	• 75	70.	4.337	_	20	66	77	77	4-626)
	B-C 6-3	1	EA	-0-	-0-	•	0.578	•	1	6	1.060	1.157	1.157	1.253		- 26	17	7 7		
	B-C	Room	TEMP	0	0	0	Ó	0	(0	0	0	0	0	0	0	0	C	0	
	*	۴	LOAD	•	10.00	20.00	70.00	00.06		.	•	ċ	130.00	J#0*00	150.00	160.00	170.00	180.00	00	

CALC	Starp	1152/2	1/52/2	DAG	EWA
CHECK	CHECK 06-06-2				TITLE-CORRUGATED SHEAR WEB PANEL 5-652
APR	APR SHIMONO	1/3/62			EWA NO. 05652 SPEC NO. 0102
APR	Clothe 1/3/2	2/13/2			THE BOSING COMBANY 01 02-8008
					2014
CONTRACT NO.	CT NO.				FIG. 109

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ROSETTE NO. 9 B-C B-C B-C B-C B-C B-C B-C B-C B-C B-												_		-					`						
STRAIN ROSETTE NO. 9 B-C		· 1		7	H	0-0-	-2.7	-2.3 -2.4	1:	N	CA	1	m	3	(•			•		EWA	5-652	22-8008	PAGE	F16. 110
ROSETTE NO. 9 B-C B-C B-C B-C B-C B-C B-C B-C B-C B-				1		•	၁က	0.0		5.6	6.0	6.6	7.1	9.2	8.4	20.4	12.1	5.1	10.7			P PAN	O XI		
B-C		ì				. 4	M	.3		- 7	-	#	ထ	M	0	5.3	80	. 7	<i>⊒</i> †			ATED SHEAR	OEING COMP		,
B-C				KININ	TX-E	0.55	2.57	3.67		•	•		•			7.			•		1	EWA	COND NO		
B-C	Z u d	OSETTE	8-C 3-4	0	EC	\sim	\sim	A	(0 0	, o	1.2	7	•	1.92	7.61	8.57	5.10	× × × × × × × × × × × × × × × × × × ×	-					
B-C B-C I-4 FOOMTRACE 1-4 F	STR		8-C 2-4	1	EB 0	0.38	-31	.24	,	77.	200	70.	• · ·	0	48.9	4.65	.27	0 5	√ -	i	206-2	VIONO 7	10		Ġ
	:		B−C 1−4		Ш			0 0		,	• •	0	α α	9	5	• •	• •	7.4		3	1	-	APR		CONTRACT NO
			8-C	ROOM	1 O	00	0 0	00	c	0	o C	0 0	0	•	00	> <	> <	0							
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1101	S-E																		***************************************	•	J EE	61-X	

STRESS ROSETTE TABULATIONS

ROSETTE NOS. 1 to 10

LOAD ~ \$

TEMPERATURE ~ ROOM TEMPERATURE

SA.

SB Stress for respective gage elements A, B, & O in 1000's of PSI.

L-F -- Maximum shear stress ~ 1000's of PSI.

FX -- Maximum principal stress ~ 1000's of PSI.

PN -- Minimum principal stress ~ 1000's of PSI.

TH -- Theta is angle between EX & gage B ~ degrees.

Negative angle in gage A direction.

FA -- Component of normal stress through gage A ~ 1000's of PSI.

FC -- Component of normal stress through gage C ~ 1000's of PSI.

TO -- Component of shear stress at gage O.

Note: Each Rosette Gage must be located on specimen to read clockwise for gages A, B, & O in rectangular pattern.

Signs: Negative sign means Compression except for TX which shows no sign and TC which negative means a counter-clockwise shear couple, termed left couple.

E: 30 x10 PS1

M= 0.30

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CALC	Strickland	7/17/2	REVISED	DATE	CORRUGATED SHEAR WEB PANEL	EWA
CHECK				<u></u>	EWA NO. 05652 SPEC NO. 0102	5-652
APPD					COND NO. 01 RUN 01	02-80081
APPD	•				BOEING AIRPLANE COMPANY	PAGE
[BOLING AIRPLANE COMPANY	F16,112

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EWA NO. 05652 SPEC NO. 0102

COND. NO. 010

THE BOEING COMPANY

DATE

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5TRICKL BAD 7/2/62 06-06-2

CALC CHECK APR

SHIMONO

CONTRACT NO.

EWA 5-652

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EMA NO. 05652 SPEC NO. 0102
COND NO. 010
THE BOEING COMPANY

DATE

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D2-80081 F16.116 5-652 PAGE EWA NO. 05652 SPEC NO. 0102
COND NO. 01
THE BOEING COMPANY BATE CHECK 06-06-2 SHIMOND CONTRACT NO. Į 5

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CALC	CALC BTRICKLAND 7/2 162	7/2/62	2	N N		FWA
CHECK	снеск 06-06-2				TITLE-CORRUGATED SHEAR WEB PANEL	5-652
APR	APR SHIMONO 7/13/62	1/13/62			EMA NO. 05652 SPEC NO. 0102	
APR	(Lopes 7	7/13/2			COND NO 01 RIN 01 D2-80081	18008-70
					THE BOEING COMPANY	PAGE
CONTRACT NO.	NO.					F16.118

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11	B-C) }	SA	-0-	-0-	1.735	2.891	3.470	1	3.759	840.4	4.048	125.4		4.337	•	1.10	0 05		٠ ;	5.54	
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TITLE-CORRUGATED SHEAR WEB PANEL 5-652
EWA NO. 05652 SPEC NO. 0102
COND NO. 01
THE BOEING COMPANY F16.119 EWA 5-652 2044 DATE REVISED CALC STRICKAND 7/2/62 SHIMONO CONTRACT NO. APR APR

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APR	APR SHIMOND 7/3/52	132		1
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				INE BOEING COMPANY
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CHECK	снеск 06-06-2				TITLE-CORRUGATED SHEAR WEB PANEL 5-652	.52
APR	APR SHIMONO 7/3/62	1/3/62			EMA NO. 05652 SPEC NO. 0102	
APR	Cher-1	1/13/2			THE BOSING COMBANY	18008-
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		8 0 - 0	13 04	SC	-0-	0.28	.02	-3.181	• 04	. 62	5.49	-5.783	6-65	7.22	.51	-8.096	7.22	6.93	1.15	
		8-C 5-4	000/ = -	SB	-0-		.28	0.289	. 57	•57	-28	0.289	• 28	- 28	• 28	0.578	• 73	- 47		
		0 a	1	SA	•0-	•	0.578	1.157	1.735	1,735	9	2.602	80	_	~	0.289	2	-6.072	-1.157	
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APR	APR SHIMOND	113/52			EWA NO. 05652 SPEC NO. 0102
APR	Clotu	7/13/2			THE BOEING COMPANY
					PAGE
CONTRACT NO.	T NO.				F16, 122

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1166-8

X +493 \$.

STRAIN ROSETTE TABULATIONS

1. 3.5.7.9.11.13.15.17. 4 19 (See Note Below)

LOAD ~

TEMPERATURE -ROOM .

EA-

EB Strain for respective gage elements A, B, & C in 100's of Micro-Inches/Inch. EC-

TX-E -- Maximum shear strain in 100's of Micro-Inches/Inch.

EX -- Maximum principal strain in 100's of Micro-Inches/Inch.

-- Minimum principal strain in 100's of Micro-Inches/Inch.

TH -- Theta is an angle between EX and gage B \sim degrees. Negative in gage A direction.

Note: Each Rosette Gage must be located on specimen to read clockwise for gages A, B, & C in rectangular pattern.

Signs: Negative sign means Compression except for TX which shows no sign, and "or of the negative course to be wisted them? comple , - terror. bufte comple.

Note: The corresponding element readings from all back to back Rosettes were averaged arithmetically and identified as the odd numbered Rosette. See Figure 20 for Rosette locations.

REVISED DATE EWA CALC CORRUGATED SHEAR WEB PANEL 5-652 CHECK EWA NO. 05652 SPEC. NO. 0103 COND. NO. 01 APPD RUN 01 02-80081 APPD BOEING AIRPLANE COMPANY PAGE F16:123 BAC 973 D-R3

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				EX		^ ^	11.43 -11.	09.	25	71- 72	1.74 -1.	5.24 -14	-27 -16	0	2.282	9.21 -18	0	3.97 -21	.13 -2.		1.50 -21.	.36 -3.		SHEAR WE		COMPAN	
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				. 1	Z W	0-) (-8-33	9.6	a		-0-B	1121	-12.76	,	3 . (2-1-5) · ()	-17.35		-1-2	-17-10	7	0.7		WEB PANEL	0.010	2		
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				1	Ë		3,0	-7-4-7-	-		-10.26	-1-2	0.2	11.5	2	t u	12 6	0	-15.48	*	15.2	• (2.3		3 WEB PANEL	0	COMPANY		
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2	ROSETTE	, D-8	. 2-5	00'S OF	S EC	α	87		.28	735	1.783	11.	• 68	16.	226	28	36	2.554	٠ 74	.33	• 79	1-494	↑ 0 •	REVISED DATE					
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er.		3-			-2.55		-6.17	06-9-	-7-18	-7.22 -8.04 -8.57	-0.77 -8.52 -11.98 -1.33	HEAR WEB PANEL SPEC NO. 0103 RUN 01	
			1	2.	2.65		5.39 0.68 7.45	10	⇒ œ	6.45 7.18 7.80	0.87 7.80 11.35	IRRUGATED SHEAR 05652 SF SF ON THE BOEING COMP	
	NO. 13		- 0/0/4	M	2.60	•	5.78 0.63 5.73	4		6.83 7.61 8.19	0.82 8.16 11.66 1.45	TITLE-CORRU EWA NO. 05 COND N	
STRAIN	ROSETTE	B-C 1-6	00'S OF /	00	-0-482 -0-482	1 0	10	•	.20	-1.108 -1.253 -1.205	1506	HYSED DATE	
STS		8-C	EB - 10	0.241	4.048 0.723	4 - 14	0.675	.87	.36	7.132	0.867 7.759 11.325 1.542	SHIMONO 73/62	NO.
.• .		8-C 7-5	EA	-0-096	60	.24	0.096	• 33	430	0.386 0.434 0.434	0.096 0.434 0.434 -0.145	CALC ST CHECK O CHECK O APR S	CONTRACT
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NO. 15		= ,	ш, - х		1	4-12	5	C	5.37	9	M	0	. 4	1 5	•	٠,	61 - 7	0	0.61.	7 -	_	•		LE-C	EMA NO. 05652	COND. NO	175		
STRAIN ROSETTE	B-C .	0		48	.92	-2.795	55	69	-3.518	0.38	3.37	.85	=		0 -	7	14.000	•	.19	4.81	-6.265	0.04	PEVISED - DATE						
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	- P-7	Nu u		01	• 72	0	•	0	-	0	• 59	M	2	-10	6	0.7	2.265		0.193	• 26	• 13	6	CALC	CHECK	S	Z V			COMTRACT
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		1	EX	•	0.39		٦.	#	C		•	0 * 4 0	1	φ	_	5	2	7	6.24	4	• c		07-1	,		D SHEA	
	11/11/W	TX-E		0.39	M.	M	.5	. M	1	• 4	22.	•	M	7 •	0.79	8	.5	-	4	•		0 7 0			ITLE	Z	
ROSETTE	8-C.	100'5 0F	23	-0-	0	-3.132	3.37	e # 8	3.22	00	0.43	75.750	•	• 24	57	-0.482	4.62	5.06	5.54	0.00	5.54	-7.277	•	ŀ	MIVISED DATE	-	
	8-C	1	E 8	•	0.386	# (# ·	• 60	• 28	• 65	.75	38	3.807		<u> </u>	• 48	0.530	• 53	-0	•39	• 62	.39	8.192	•39		PICKLAYS 7/12/62	<u> </u>	1 MONIO 7/2.1/2
	B-C 3-7	1	E A	0	(500	#0.4°0	<u>}</u>	.01	20	70.	0.916	25	• 23	777	840-0	.39	Ŏ.	Φ		1.687	_	-0-		CAIC	CHECK	15
		K W	TEMP	එ	\$	0	.	Þ	Ó	0	Ó	0	c		o ·	6	Ó Í	0	Ó	0	0	0	Ó				
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02-80081

TITLE-CORRUGATED SHEAR WEB PANEL
EMA. NO. 05652 SPEC NO. 0103
COND. NO. 01
RUN 01
THE BOEING COMPANY

1/31/62

SHIMONO

OHECK APR CONTRACT NO.

FIG. 132

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	, \(\frac{1}{2}\)	i	70	H	-67.5	-49.1	-67.5	-53.0	-50.0	-67.5	-48.2	4.94-	. 7	-51.5	7000	4-74-	-45.0		-44-	-51.5	-67.5	61.10	5-652		07-00081		F16. 133
į	•			EN	-0.12	-0-88	-0-12	-0-99		-	•	-1-45	-1-46	0.1	- 4	.5	-1.83		; -		0		EB PANEL	C NO. 0103	7		
			1	-0- EX	0 (07.0	0	#	64.0	-	63.0	ĵ	7.	-2	0.58	7.	• •	3	0.68	#	0		SHEAS		EING COMPANY	,	
• • •	NO. 19		wiNIN-	TX-E 0.	0.07	9.0	0.0	. 7	0.83	•	φ (•	•	-	1.01	_	-2		1.21	•	7 0		TITLE-CORRUGATED	7	THE BOEING		
TRAIN	ROSE,TTE		100'S OF	Ů.	-0.096	8	2	0	- 0	•	• •	•	77.	• 00	-1-446	#S - I	-1.831	-0-		2.12	<u>-</u>	REVISED DATE					
STR		9 t	1.	-0-	-0.096	-0.386	•	-0-482	0 0	48	-0-482)	-0-482	•	-0-482	784.0		•	•	0 0	<u>}</u>	RICKL AND 7/12/6-	-02-2	11MONO 1/31/62			j.
	\$ - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	₩ 1 + 1 1 + 1	, v		0.193	00	ı	0.386	60	84.	.57		0.771	•	•	•	•	0-193	0 0	•	;	CALC STR	¥	HO WAY		CONTRACT	N INC.
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1108-8											···												• 🖈	1667-	·		,

STRESS ROSETTE TABULATIONS

ROSETTE NOS. 1,3,5,7,9,11,13,15,17, & 19

(See Note Below)

LOAD~ \$

TEMPERATURE ~ ROOM

SA

SB > Stress for respective gage elements A, B, & 0 in 1000's of PSI.

SC-

TX-F -- Maximum shear stress ~ 1000's of PSI.

FX -- Maximum principal stress ~ 1000's of PSI.

PN -- Minimum principal stress ~ 1000's of PSI.

TH .-- Theta is angle between EX & gage B ~ degrees.

Negative angle in gage A direction.

FA -- Component of normal stress through gage A ~ 1000's of PSI.

FC -- Component of normal stress through gage C ~ 1000's of PSI.

TO -- Component of shear stress at gage C.

Note: Each Rosette Cage must be located on specimen to read clockwise for gages A, B, & C in rectangular pattern.

Signs: Negative sign means Compression except for TX which shows no sign and TC which negative means a counter-clockwise shear couple, termed left couple.

Note: The corresponding element readings from all back to back Rosettes were averaged arithmetically and identified as the odd numbered Rosette. See Figure 20 for Rosette locations.

E= 30 x10 6 PS1

M: 0:30

CALC	STOPP	7/17/2	REVISED	DATE	CORRUGATED SHEAR WEB	PANEL TEST	EWA 5-652
CHECK	0.0					SPEC. NO. 0103	
APPD	Clober	8/1/2			COND. NO. 01	RUN 01	02-80081
APPD	4				BOEING AIRPLANE	COMPANY	FIG. 134

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BAC 973 D-R3

	. À	- (15.96 24.80	F40.F4	122-8	4.34 51.43 28.19 -9.45	EWA 5-652 02-80081 mas
		ן ה ס	0-		0.29 -0.08 -0.05 2.41	0.19 2.30 26.74 6.21	B PANEL NO. 0103
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-		1 2 0		-23.82 -32.21 -3.56 -32.27 -36.68	-39.79 0.92 -40.82 -45.58	-3.93 -47.44 -14.16 -5.06	E-CORRU NO. 05 COND N
	•	- 0		25.68 34.89 3.56 35.16	43.92 7.54 44.33 49.71	4.76 55.49 46.17 14.14	E WA.
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	8-C	SB	205 - 818 962 193 -	32.817 44.528 4.626. 44.817 50.744	55.804 0.145 56.527 63.322 70.406	5.927 69.683 47.853 -9.108	CONTRACT N
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			8 -C	3-4		SB	•	± .		nh		.86	3.25	M	01.	7.58		4.62	41.202	.26	. 59	33	02	540-49	55	CALC ST	CHECK	APR S	YAY		CONTRACT
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: ;	*, }	SETTE NO.		- 18v		21.05	#	7	9 K	28.90	2.7	8	4.3	4.0	40.62		A F	- 3	5.7	F					
	TRESS	ROSE		'n.		7.42	0.	8.7	7.0	25.49	8.8	• 2	w .	, u	38.73		38 10	0	5.5	RIVISED	+	195			
	ST		8-C 2-5	- 1000 SC	111	5.638 5.349	• 86	5.205	. 43	• 06	.92	.79	88	• 08	8-240		8.385	. 48	17.	TRICKI DE DE 7/12/62	1/-/	11MONO 731		NO.	
			B-C	\$88	4.77	18.360	6	9	4.19	• 42	0°0	43.660	0.04	5.50	90	40	53.346	.80	.37	CALC		O A		CONTRACT	
			8 – K	SA	0.57	900	1	454-0-	0.	0	• 43	-0-434	20.0	0.57	0.43	Ċ	0.57	-3.903	7.						
			B-C	ROOM	00	000	0	00	0	0	-	00	0	0	0	,	o o	0	0						
157			•	% - 70 .		00.00	•	60.00 80.00	0.0	0.0	•	00		0.0	0.0	0	120.00	30-0	00						
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1	v		F PSI	2.	000	9	80		3.1	0	.5	0-1	17.46	8.7	1.8	18.74	3.2	ANG	5-652		18008-20	7406	F16. 141	, e
			0	ວິ	0.10		Α.	-3.32	M (7	5.	0.0	-3.75	3.5	-	-3.38	-		PANEL	0	OI .			
			•	6	0.32		M) -	0.02	0 -	•	2-	- 0	0.03	• 2	7	0.38	-		SHEAR WEB	SPEC	COMPANY			
			ر د د	0.0	-0.5	0	2	-2.2			•	m	-3.1	7		1.8	•		GATED S	652	BOEING			
	<u>8</u>		1 2	-0-	-5.80	1.6	M) C	t	œ œ		γ «	7.4	-19.42	50.0	-1.6	-28.25	8 - 7			NO. 05652	THE			ľ
	SETTE NO.		<u>5</u>	2	6.21	9	3	1-66		(20	4.1	15.70	•	7.2	25.57	0	1	⊢ :	EWA	<u> </u> 			
f w	SS RO		S OF P	0.90	6.01		9.88	30	4.8			•	17.56)	8.8	3.34		REVISED						10
	STRE	8-C 1-6	SC SC	578	9 11 12		446 325		903	414	,	325	614		0	181 2		51/2/12 De	_	0 1/31/62				
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158	}	6	_	10.00	00.00	20.00	80.00	000000	00.00	100.00	100.00	110.00	120.00	10.	00.05	•								

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		. . ii		1,5 OF	F.	-	•	-8-07		7.7	-10.02	1:1	• 5	6-0	~	7	-11.76	œ	3.6	3.0	-13.65	17.5	0		PANEL	NO. 0103			
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		. 15	,		Z.	0.0	ر م د م	-13.02	1.6	•	•	1.9	-	18.1	9.6	2.3	-19.82	21.8	3.1	# *	-23.30	2.4	2.6		LE-C	A 00 C	기		
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'		ROS		18A 40		•	•	9.51	•	_ 	12.39	3	M	•	80	- 7	15.07	• 5	9	#	17.83	5.7	0	62 REVISED		62			
	. ,		B-C 7-6		SC	2	1 · 44	-8.385	0.	• 00	-10.554	• 15	0.12	• 56	. 43	44.	-12.433	13.59	• 45	.57	-14.457	. 79	↑	STRKS AND TILLES	2-20-10	SHIMONO 731/62			
		NA P	8-C		88	•	345	8.385	0	M	11.276	• 15	9	• 43	M	0		5.46	* 48	.73	16.770	5.58	†0°	CALC	CHECK	APR	APR		On abreco
		y v	8-C	1	SA		4 5	3.470	•28	.61	4.771	• 28	.77	• 20	. 78	.57	5.783	-21	62.	.57	6.795	• 39	-57						
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. .	0001-	0-0-	-9.397 -10.120 -1.446	4	1.7	-1.301	12.72	• 73	13.87	-15.180	-0.28	-16.626	-0-	581545NS 710102	SHIMOND		
, a		.15	4.337 7.807 0.867	4	27	• •	.57	3 U	3.5	15.035	1.87	7 7		CALC	+	Y V	
ပ ရ	<	2	0.289 2.891 0.578	C	9.	0.145 2.747		.33	19	4.771	0.145	5.00					
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ROSETTE NO. 19			ĸ	-0-	-0-05	0.17	0.45	-0-05	0.38	74-0
STRESS	, i	OF PS(TX-F	•	0.16	0.79	1.48	0.16	1.62	1.92
5	8-C 6-8	1,000	SC	0-	-0.289	-1.446	-2.602	-0.289	-2.891	-3.470
, , , ,	8-C 5-8		SB	-0-	-0.289	-0.578	-1.157	-0.289	-1.446	-1.446
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PAGE										
1 1		COMPAN	THE BOEING				77			
12-80081	NO. 0103	SPEC	COND NO	T .		SHIMONO 1/31/12	Y .			
5-652	NEL	SHEAR WEB	LE-CORRUGATED	TITLE		01-02-2	CHECK			
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-0.22	-0-0	-0-15	- 73		3	975-0-	0.	•)	
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0.00	- 1835	0	· ·	\$	•	7 4 4	•	•	> 1	
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-0-11	-0-13	0.54	-	• 5	•	-0.289	0	5.5	5 (9
-0-33	-4.00	1.1		1.13	2.58	-4-337	- E. 446	2.313	0	100.00
-	20	0.48	-20 -46.		•	M	9 # # • 1 -	1.755	5	•
-0.22	-3.65	0.35	8	0.36	2-01	3.75	, ئد	# 1	> (•
.2	2	0.22	.31 -67.			. 28	٥,	N.	0 0	•
M	M	# # · O	.37 -50.			3.47		# (0 (0 0
77 0-	00	0.32	.86 -53.	è	1.62	2	-1.446	•	0	00.09
-0-11	-0.32	-0.10	- 9	_	0-16	-0.289		•0-	0	•
-0.33	-2.48	0-41	-2.52 -51.5	0.45	1.48	-2.602	•	1-157	0 (00.00
-0-11	-1.40	0.16	_	_	0.79	-1.446	_	5	o	•
-0-11	-0-32	-0-10	9	-	91.0	-0.289	• 28	. !	0 0	*
0	-0-		-0-	-0-	••	•0-	•		0	
, L	F.C.	. H	Z	Ä	TX-F	SC	SB	SA	TEMP	LOAD
8	0,2 OF	1000,2	07 1	1	OF PS	0 5,0001		1	0	%
	4,				•	8-9	5-8	f8	j	

X-4933 &•

TEMPERATURES, DEFLECTIONS & LOADS

THER	OCOUPLI	DATA	(SEE FIG	. 5 FOR L	ocations)	<u> 7</u> 3	GURE NO.
T-15, T-22, T-30, T-37	T-16, T-23, T-31, T-38.	T-17, T T-24, T T-32, T	1-04, T-05 1-11, T-12 1-18, T-19 1-25, T-26 1-33, T-34 1-40, T-41	, T-13, T , T-20, T , T-27, T , T-35, T	-14 -21 -28 -36			.50 - 153 .54 - 157 .58 - 161 .62 - 165
		•					n. 1	· · · · · · · · · · · · · · · · · · ·
APPRO	VED BY 1	K.E. & 7/9/6	dry C	T H	le fell	<u>/</u>	RADIANT H	EAT LAB.
DEFLE	CTION D	ATA AND	LOAD (SEE	FIG. 15	FOR LOCA	TIONS)	FI	GURE NO.
D =00.	•••••	rent **	nocked of	******	•••••	••••••	1	78-181
	HERMOCO DI'S D-O		± 45° r	D-08 = ±	0.005 in	ches		
۲.	D-0	3, D-05	, D-07	= ±	0.020 in	ches		•
_	D=0 OAD L→0	3, D-05 l = ± 1	, D-07 50 pounds	. .	0.020 in	ches	JMENTATIO	N LAB.
PPROVI	D-O OAD L-O ED BY _	3, D-05 1 = ± 1 The state of	50 pounds	. .	0.020 in	ches	imentatioi	N LAB.
PPROVI EMPER EFLECTOADS	D-O OAD I-O ED BY ATURES:	D-05 1 = ± 1 IN °F N INCHES	50 pounds	CORRUGAT	0.020 in	INSTRU	I.	-
PPROVI EMPERA EFLEC	D-O OAD I-O ED BY ATURES:	D-05 1 = ± 1 IN °F N INCHES	50 pounds	CORRUGAT EWA NO.	0.020 in	INSTRU	I.	EWA 5-6
PPROVI EMPER EFLECTOADS	D-O OAD I-O ED BY ATURES:	D-05 1 = ± 1 IN °F N INCHES	50 pounds	CORRUGAT EWA NO. COND. NO	0.020 in	INSTRU	L 1	-

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CHECK APPD APPD

REQ 10389

TI	ME	3- 1-		4-2 T-02	7-2 1-03		8-2 T-04		3-3 1-05		4-3 T-06	7-3 T-07
	C.				0							1-0.
	. 23	81	. 16	65.22	76.1	7	78.95		75.7	0	78.54	76.2
	. 87		. 46	67.95	76.1		78.95		75.7		78.54	76.2
	.27		. 16	81.56	78.9		78.95		78.5		78.54	76.2
	. 67		. 16	76.15	78.9		78.95		75.7		78.54	76.2
	• 07		. 46	65.22	76.1		78.95		75.7		78.54	76.2
130			. 46	. 76.15	76-1	7	76.21		75.79	, ·	78.54	76.2
162			. 16	81.56	78.9	0 .	78.95		75.79	7	75.79	76.2
195			. 16	84.20	78.9		78.95		78.5		75.79	76.2
227			. 16	70.69	78.9		31.62		75.79			76.2
260	• 07	83	. 61	70.69	78.9	0 (31.62		78.53	5 ,	81.23	81.6
292			. 46	84.20	78.9		18.95		83.88		86.52	86.9
324 357			. 46	81.56	81.5		78.95		86.52		91.81	92.1
389			. 46 . 75	81.56	81.5		31.62		86.52		97.10	97.4
422			7.5	76.15	84.2		34.25 36.88		94.46		105.0 113.0	108. 113.
454	1. 7											
			. 05	84.20	86.8		36.88		102.4		120.9	123.
486. 519.			2.3	86.83	92.1		2.14		110.3		128.8	134.
551			5.0	89.46	92.1		74.77		115.6		136.8	144.
584			2.9	89.46	94.7		7.40		123.6		150.0	160.
		114	2.9	97.36	97.3		102.7	4	134.1		163.1	170.
616			9.9	113.1	102.	6	102.7		144.7		178.9	186.
648			5.2	118.4	107.		13.2		155.3		192.1	202.
681.		136		121.0	115.		21.1		168.4		207.8	217.
713.		142		121.0	121.		23.7		178.9		223.6	236.
746.	07	152	2.6	136.8	128.9	9 1	36.8		192.1	ļ	239.4	254.
778.	47	165	8.	144.7	139.5	5 1	44.7		205.2)	257.8	270.
810.	87	176	.3	155.2	144.	7 1	50.0		221.0)	281.5	291.
843.		186		178.8	157.8		65.7		239.4		297.8	315.
875.		202		186.6	170.9		76.1		257.8		327.8	337.
908.	07	215	8.	202.3	181.4	4 1	89.2		278.8		357.8	364.
940.		231		212.8	194.5		02.3		300.6		390.6	391.
972.		250	•0	233.7	212.8		18.0		325.1		417.2	418.
1005.	27	265	.8	246.8	223.2		38.9		352.4		454.1	446.
1037.		281		270.3	244.2		57.2		379.7		483.0	478.
1070.	07	306	•2	302.5	265.1	2	72.8		404.1		509.5	501.
1102.		546		557.4	559.9		70.2		604.1		.648.8	653.
1135.		554		567.9	570.4		78.0		614.6		662.0	666.
1167.		565		578.3	578.3		85.9		627.7		677.7	682.
1200.		570		575.7	583.5		96.3		643.5		698.8	703.
1232.	40	578	•2	591.4	594.0	0	12.0		664.6		725.1	729.
CALC		11/2		REVISED D	COGO	LICATE	0 646	A n	UE0 0	44151		EWA
CHECK			6/18/62			NO.			WEB P			5-656
APR APR	SHIM	-	6/20/62			D. NO	01			RUN	C. 0201	D2-800
Ark	Col		6/24/2				THE BO	DEING	G COMP	ANY		PAGE
	CT NO.				,							F/G. 14

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		3-2	4-2	7-2	8-2	3-3	4-3	7-3 .
	TIME SEC.	T-01	1-02	T-03	T-04	1-05	T-06	1-07
	350.		*****	DEG	REES FAHRE	NHEIT		
	1264.80	594.0	612.4	609.7	622.5	485.6	748.8	750.2
	1297.20		609.8	620.2	635.6	704.1	769.3	773.1
	1329.60	615.1	625.5	635.9	656.5	725.1	794.9	795.9
	1362.00	638.8	646.4	654.2	672.2	751.4		821.3
	1394.40	651.9	664.8	669.9	695.8	774.4	846.0	846.8
	1426.80	670.4	696.2	693.5	716.7	800.0	869.0	869.6
	1459.20	686.2	701.4	711.8	742.9	823.0	897.1	900.1
	1491.60	709.9	730.2	735.4	766.0	851.1	925.3	925.5
-	1524.00	733.6	758.8	761.2	791.4	884.4	956.0	956.0
*	1525.62	733.6	753.7	761.2	791.4	884.4	956.0	956.0
	2065.62	967.0	977.7	995.3	1010.	1031.	1064.	1058.
	2071.02	969.6	982.8	997.9	1010.	1033.	1062.	1058.
	2103.42	974.7	987.8	1000.	1018.	1041.	1072.	1066.
	2135.82	982.4	990.4	1008.	1026.	1054.	1085.	1082.
-	2168.22	992.6	1003.	1021.	1041.	1072.	1108.	1105.
	2200.62	1008.	1021.	1031.	1051.	1093.	1129.	1125.
1	2233.02	1021.	1029.	1044.	1069.	1103.	1144.	1138.
1	2265.42	1042.	1050.	1062.	1087.	1126.	1163.	1159.
	2297.82	1055.	1065.	1080.	1100.	1157.	1176.	1169.
	2321.04	1068.	1083.	1091.	1111.	1147.	1181.	1174.
	2861.04	1226.	1207.	1222.	1232.	1238.	1258.	1241.
	3401.04	1286.	1253.	1268.	1270.	1274.	1287.	1275.
1	3941.04	1309.	1266.	1284.	1288.	1292.	1310.	1293.
	4481.04	1317.	1274.	1294.	1304.	1302.	1313.	1298.
1	4990.80	1270-	1243.	1268.	1286.	1292.	1310.	1293.
1	5007.00	1270.	1238.	1268.	1286.	1292.	1305.	1293.
1	5023.20	1275.	1245.	1271.	1288.	1295.	1305.	1293
1	5039.40	1273	1238.	1268.	1286.	1292.	1310.	1293.
1	5055.60	1275.	1235.	1268.	1286.	1292.	1308.	1293.
1	5071.80	1275.	1243.	1268.	1294.	1295.	1310.	1295
	0088.00	1275.	1240.	1271.	1288.	1295.	1310.	1293.
	104.20	1273.	1238.	1268.	1288	1292.	1308.	1293
- 1	120.40	1275.	1238.	1266.	1286.	1292.	1310.	1293.
	136.60	1273.	1235.	1268.	1288.	1292.	1305.	1293.
	152.80	1273	1243.	1268.	1281.	1290.	13104	1293.
8	169.00	1273	1238.	1266.	1286.	1290.	1305.	1293.
	185.20	1275.	1238.	1268.	1288.	1292.	1305.	1293.
	201.40	1275.	1245.	1268.	1286.	1292.	1305.	1293.
	217667	1273	1235.	1268.	1283.	1290.	1305.	1293.
	233.80	127.3	1233.	1263.	1283.	1287.	1305.	1293.
1	ALC 06/	11/2	REVISED DA	TE			1	EWA
6		ERT 6/18/62		CORRUGA	TED SHEAR	WEB PANE	EL 1	5-652
⊢		ONO 6/20/62			0. 05652		EC. 0201	Mark Market
⊢		les 6/20/2		1	NO. '0.1		IN 01	D2-80081
•					INE BUEIN	COMPANY	,	PAGE,
C	ONTRACT NO.							F16.147
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		3-2	•		7-2	8-2	3-3	4-3	7-3
	IME EC.	T-0		02	T-03	T-04	1-05	T-06	T-07
31		-			DEG	REES FAHRE	NHEIT	******	
	0.00		. 12	33.	1266.	1283.	1200.	1305.	1293
5266	. 20	1270	. 12	35.		1283			
5282	2.40	1270	1 12			1283.			
5298	3.6C	1273		38.		1286.			
5314	08.	1273	12	40.	1266.	1283.			
	.00		• 12	33.	1266.	1283.	1290.	1308.	1290
5347		1270	• 12	33.	1263.	1286.	1290.	1305.	
5363	-40	1273	• 12	35.	1266.	1283.	1290.	1305.	
5379		1270	• 12	33.	1263.	1283. 1283.	1290.	1302.	
5395	480	1270	• 12	30 •	1263.	1283.	1290.	1302.	1293
	¥46		• 12			1283.	1292.	1305.	1293
	.66			30.	1263.	1281.	1287.	1305.	1293
5443		1270	• 124	40.	1263.	1283.	1290.	1302.	1293
5459		1273	• 12.	38	1263.	1286.	1292.	1302.	1293
5475	• 18	1267	• 12.	33.	1261.	1281.		1302.	
5490		1270	. 12:			1281.		1302.	1293
5506		1267			1261.	1283.	1287.	1305.	
5522 5538		1270			1261.	1286.	1287.	1305.	
5554		1267			1261.	1278.	1290.	1305.	
))) 4		1273		5.	1263.	1281.	1290.	1305.	1293
570	22	1270.	• 123	50.	1261.		1287.	1302.	1293
586		1270			1261.		1287.	1302.	1293
602		127C.			1263.		1287.	1302.	1293
618		1270	123		1261.		1290.	1305.	1285
635.		127C	123	15.	1263.	1278.	1290.	1302.	1293
651	22	1275			1266.	1281.	1290.	1302.	1293.
667		1270.			1263.	1283.	1287.	1308.	1293.
683.		1270.			1263.	1283.	1287.		1293
699	-	1273.			1266.	1283.	1287.	1300.	1287
716	02	1270.	123	3.	1263.	1281.	1287.	1300.	1287.
732.		1267.		5.	1258.	1281.	1284.	1300.	1285.
748.		1267.			1258.	1278.	1284.	1300.	1287.
764.		1265.			1261.	1281.	1284.	1300.	1285.
780.		1267.			1258.	1278.	1284.	1300.	1285.
797.	02	1265.	122	7.	1258	1278.	1284.	1300.	1285.
813.		1265.			1258.	1281•	1284.	1300.	1285.
829		1267.			1261-	1278.	1284.	1300.	1287.
845.		1267.			1261.	1278.	1284.	1295.	1282.
861.		1262			1256.	1278.	1279.	1295.	1282.
878.	02	1265.			1258.	1278.	1279.	1300.	1280.
ALC '		11/2	REVISE	D DA					EWA.
IECK	FOBI	ERT 6/18	1/62			ATED SHEAR			5-16-52
PR	SHIM	ONO 6/2	0/62			0. 05652		PEC. 0201	
PR		bear 6/2			COND.	NO. 01		IN_01	D2-8008
	· · ·	1	/			THE BOEIN	G COMPANY		DACE
	L								- · · ·
									F16.14
NTRA	CT NO.				1				10.17

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TINE SEC.	3-2 T-01	4-2 T-02	7-2 1-03	8-2 T-04 REES FAHRE	3 ⁻ 3 1-05 Enheit	4-3 T-06	7-3 1-07
5890.98				1276.		1300.	1282.

DATE REVISED EWA EGBERT 6/10/62 SHIMONO 6/20/62 Clober 6/20/2 CORRUGATED SHEAR WEB PANEL EWA NO. 05652 SPE 5-652 CHECK SPEC. 0201 COND. YO. OI RUN 01 DZ-80001 APR THE BOEING COMPANY PAGE F16.149 CONTRACT NO. U6 5553 7450

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	8-3	3-4	4-4	7-4	8_4	3-5	4-5
TIME	T-08	1-09	T-10	T-11	T-12	T-13	T-14
SEC.				REES FAHRE			
-32	74-1.4	75.00					
• 33 • 87	76.46	75.89	78.50	, 76.03,	76.12	, 75.62	76.1
33.27	76.46	75.89	73.00	76.03	76.12	75.62	76.1
		75.89	78.50	76-03	76.12	75.62	76.1
	76.46	75.89 75.89	78,50	76.03	76.12	75.62	78.8
		13407	78.50	76.03	73.38	75.62	76.1
130.47	76.46	75 - 89	75.75	76.03	76.12	72.87	76.12
	79.19	75.89	78.50	76.03	76.12	75.62	73.3
195.27	79.19	75.89	78.50	76.03	73.38	75.62	78.86
	79.19	75.89	78.50	76.03	78.86	75.62	76.12
260.07	84.46	78.64	81.21	76.03	76.12	75.62	76.12
292.47	84.46	78.64	78.50	76.03	76.12	75 40	70.04
	89.70	78.64	78.50	78.77	78.86	75.62 78.37	78.86
	94.95	81.33	81.21	78.77	81.53	78.37	81.53
	102.8	83.97	83.85	81.45	84.17		81.53
422.07	110.7	83.97	86.50	84.09	86.80	81.09 83.74	84.17
1. P t 1. *							
	115.9	86.61	86.50	86.72	86.80	83.74	92.07
	123.8	91.89	89.14	89.36	92.07	89.04	94.70
	134.3	97.18	97.08	92.00	97.53	91.69	94.70
	142.1	99.82	102.4	97.27	97.33	96.99	99.97
584.07	160.4	105.1	105.0	102.5	105.2	102.3	105.2
616.47	165.6	113.0	107.7	107.8	110.5	107.6	112 1
	181.3	120.9	113.0	113.1	115.8	112.9	113.1
	196.9	126.2	123.5	121.0	123.7		118.4
	212.5	136.8	136.8	128.9	131.6	120.8	128.9
	228.2	144.7	139.4	136.8	139.5	128.8 136.7	136.8 144.7
							•
	246.4	155.2	152.6	144.7	147.4	147.3	160.5
	262.0	168.4	165.8	155.2	163.1	160.5	168.3
	283.0	181.5	176.3	165.7	170.9	168.4	181.4
	301.9	192.0	186.8	178.8	186.6	181.6	197.1
908.07	326.2	207.7	197.3	189.3	191.9	194.8	202.3
40+47	347.9	223.5	215.7	205.0	207.6	210.6	223.3
	374.9	241.9	234.1	218.1	220.7	223.8	244.2
	399.2	260.2	247.3	233.8	233.7	242.2	259.9
	125.3	278.6	265.7	254.8	254.7	260.6	278.2
	46.2	300.3	287.0	270.5	267.8	279.1	299.9
02 00		400 1	404				
	549.7	608.7	601.6	571.2	565.4	576.0	604.7
	62.7	627.1	612.1	579.0	573.3	586.6	612.6
	575.8	627.1	620.0	589.5	583.8	594.5	623.1
	99.2	640.2	633.2	600.0	591.6	607.7	636.2
32.40 7	20.1	656.0	646.4	613.1	60743	620.9	646.7
LC 06/11	12	REVISED D	ATE				EWA
	37 6/10/62	,	CORRUG	ATED SHEAR	WEB PANE	L , t	5-652
R SHIMON				0. 05652		EC. 0201	- 100
- 1	1.7.7	 		NO. 01		N 01	D2-8008
R Clober	- 0/20/Z				IG COMPANY		
							PAGE
ITRACT NO							F16.150
NTRACT NO.			1				100

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TIME SEC.	8-3 1-08	3-4 T-09	4-4 T-10	7-4 T-11	8-4 1-12	3-5 1-13	4-5 T-14
		****	DEG		ENHEIT	*****	
1264.80	741.0	671.8	659.5	626.3	400 6	4 70 4 40	
1297.20	764-0	690.2	680.6	644.6		. 636.7	
1329.60	784.3	708.6	696.4		636.2	652.5	678.1
1362.00	809.7	732.2	717.5	663.0	654.5	668.3	
1394.40	829.9	753.1		681.3		689.4	
		13341	741.2	699.7	691.2	707.9	741.0
1426.80	860.4	776.1	764.4	723.3	706.9	729.0	74.4. 9
1459.20	890.8	801.7		746.9	733.1		764.1
1491.60	916.1	829.7		772.5	759.1	755.2	792.2
1524.00	946.5	857.8	846.3	798.0	784.5	778.3	817.6
1525.62	944.0	860.4	846.3	800.5	784.5	803.9	843.1
1		1 4		000.3	10403	809.0	843.1
2065.62	1077.	1073.	1070.	1038.	1022.	1043.	1065.
2071.02	1072	1073.	1078.	1038	1024.	1043.	1068.
2103.42	1082.	1078.	1075.	1043.	1024.	1045.	1073.
135.82	1097.	1086.	1083.	1051.	1029.	1053.	
2168.22	1115.	1102.	1096.	1061.	1042.	1055.	1086. 1094.
1000						10044	1074.
200.62	1136.	1112.	1109.	1074.	1055.	1077.	1104.
233.02	1149.	1128.	1127.	1090.	1065.	1090.	1117.
265.42	1167.	1143.	1137.	1103.	1078.	1100.	1132.
297.82	1179.	1159.	1155.	1118.	1091.	1113.	
321.04	1187.	1169.	1166.	1126.	1102.	1113.	1145.
		-			,,,,,,	1123.	1156.
861.04	1262.	1265.	1262.	1237.	1202.	1230.	1004
401.04	129C.	1298.	1300.	1265.	1238	1258.	1256.
941.04	1310.	1316.	1319.	1289.	1256.		1287.
481.04	1318.	1324.	1324.	1296.	1264.	1274.	1300.
990.80	1313.	1319.	1319.	1291.	1259.	1287.	1308.
				14710	IKOYA	1284.	1308.
007.00	1313.	1316.	1319.	1296.	1261.	1284.	1200
023.20	1310.	1319.	1321.	1291.	1259		1308.
039.40	1313.	1319.	1321.	1296.	1261.	1284.	1310.
055.60	1313.	1319.	1321.	1291.		1287.	1308.
071.80	1313.	1319.	1321.		1259.	1284.	1308.
	, ,		13414	1291.	1259.	1287.	1308.
00.880	1313.	1319.	1319.	1296.	1261.	1207	1310
104.20	1313.	1319.	1321.	1296.	1259.	1287.	1310.
120.40	1310.	1322.	1321.	1296.		1287.	1308.
36.60	1308.	1319.	1321	1296	1259.	1287.	1308.
52.80	1310.	1322	1321.	1296.	1256.	1287.	1308.
,		1 (14700	1259.	1284	1310.
69.00	1313.	1322.	1321.	1296.	1261.	1284.	1960
85.20	1310.	1322.	1321.	1291.	1259.		1308.
01.40	1310.	1319.	1321.	1291.		1282.	1310.
17.60	1308.	1319.	1321.	1296.	1259.	1282.	1308.
33.80	1310.	1319.	1321.		1259.	1284.	1308.
23400	13100		13614	1296.	1259.	1284.	1308.
ıc 06/	11/2	REVISED DAT			· · · · · · · · · · · · · · · · · · ·		EWA
	ERT 6/18/62		CORRUGA	TEO SHEAD	WEB PANE		
R SHIM	ONO 6/29/62		EWA NO	· 05652			5-652
			COND.		3P	EC. 0201	
Cla	ben 6/20/2				IG COMPANY	N 01	DZ-80081
			1	THE BOEIN	COMPANY	•	PAGE.
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NTRACT NO.		/	1				F16.151

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	8-3		4-4		8-4	3_5	4-
TIME	1-08			T-11			T-
SEC.	***		DEGR	LEES FAHREN	HEIT		
5250.00	1308.	1319.	1319.	1291.	1259.	1282.	13
5266.20		1310	1319.	1296.	1259.	1282.	13
5282.40	1310.	1319.	1321.	1201	1256.	1292	13
5298.60	1310.			1291.	1259.	1282.	13
	1310. 1310. 1310.	1319.	1321.	1291.	1259.	1282.	
5331.00	1310.	1319.		1291.	1259.	1282.	13
5347.20	1308.	1319.	1319.	1291.	1259.	1284.	13
	1308.		1321.	1291.	1259.	1284.	13
	1310.		1321.	1291.		1282.	
5395.80	1308.		1319.	1291.		1282.	
5411.46	1310.	1319.	1319.	1291.	1256.	1282.	13
5427.66	1308.	1316.	1321.	1291.	1259.	1284.	13
5443.32	1310.	1319.	1324.	1291.	1256.	1282.	13
5459.52	1310.	1316.	1319.	1289.	1259.	1282.	13
5475.18	1305.	1316.	1319.	1291.	1256.	1282.	13
5490.84	1310.	1316.	1321.	1291.	1259.	1282.	13
5506.50	1310.		1319.	1291.		1282.	
						1279.	
5522.70	1308.		1316.				
5538.36	1310.		1319.	1291.		1282.	
5554.02	1308.	1316.	1319.	1294.	1256.	1282.	13
5570.22	1308.	1316.	1319.	1289.	1256.	1282.	13
5586.42	1308.	1316.	1329.	1291.	1256.	1284.	13
5602.62	1308.		1319.	1291.	1256.	1279.	13
5618.82	1308	1311.	1319.	1289.	1256.	1279.	13
5635.02	1306.	1316.	1321.	1289.	1254.	1279.	13
5651.22	1308•	1316.	1321.	1289.	1254.	1279.	13
5667.42	1308.	1316.	1319.	1289.	1256.	1279.	13
	1308.	1316.	1319.	1291.	1254.	1279.	13
5683.62					1256.	1279.	13
5699.82	130 %	1316.	1319.	1289.			
5716.02	1305.	1314.	1319.	1289.	1256.	1279.	13
5732.22	1303.	1314.	1313.	1289.	1254.	1279.	13
5748.42	1308.	1314.	1313.	1289.	1254.	1279.	13
5764.62	1308.	1314.	1316.	1286.	1254.	1276.	13
5780.82	1308.	1314.	1316.	1289.	1254.	1276.	13
5797.02	1300.	1314.	1316.	1286.	1254.	1276.	13
5813.22	1303.	1314.	1313.	1286.	1254.	1276.	13
5829.42	1300.	1314.	1313.	1286.	1254.	1276.	13
5845.62	1300.	1311.	1316.	1286.	1249.	1276.	13
5861.82	1303.	1311.	1313.	1283.	1254.	1276.	13
5878.02	1292.	1311.	1311.	1283.	1251.	1274.	13
CALC DA	11/2	REVISED DAT	E				E
	ERT 6/18/62	,		ATED SHEAR			5-
	10NO 420/62			0. 05652		PEC. 0201	
	fea lipsofe		COND	NO. 01 THE BOSIN	IG COMPAN	UN 01	D2-
	' '						PAG
CONTRACT NO.							FIG

CALC	06/11/2	REVISED	DATE		EWA
CHECK '	EGBERT 6/19/	67		CORRUGATED SHEAR WEB PANEL	5-652
APR	SHIMONO \$/20/	2		EWA NO. 05652 SPEC. 0201	DZ-8008
APR	Clober 6/201	2		THE BOEING COMPANY	PAG
			L		FIG. 153
CONTRA	CT NO				2.5000

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TIME	7-5 T-15	8-5 T-16	3-6 T-17	4-6 T-18	7-6 T-19	8-6 T-20	3-7' 1-21
SEC.		****	DEG	REES FAHRE	NHEIT	**********	******
• 33	76.19	76.06	75.73	75.80.	73.46	76.37	75.90
.87.	176.19	78.79	75.73	75.80	73.46	76.37	73.15
33.27	76.19	76.06	75.73	78.55	76.19	79.10	75.90
65.67	57. Qb	76.06	75.73	78.55	73.46	73.64	75.90
98.07	76.19	78.79	75.73	78.55	73.46	76.37	73.15
30.47	76. 19	76.06	75473	75.80	73.46	76.37	73.15
62.87	76.19	78.79	75.73	78.55	76.19	76.37	75.90
95.27	78.93	81.47	75.73	78.55	73.46	76.37	75.90
27.67	178 • 8	76.08	75.73	78.55	76.19	16.37	75.90
60.07	81.60	84.11	75.73	78.55	73.46	79.10	78.64
92:47	89,49	89.38	75.73	78,55	76.19	84.38	83.97
24.87	70,73	.97.29		78.55	76.19	92.26	89.26
57.27		102.6	78.48	83.89	76.19	97.51	94.54
89.67	113.2	113.1	81.19	81.25	78.93	102.8	102.5
22.07	121.1	118.4	81.19	86.54	78.93	113.3	107.7
54 -47	131.6	131.6	83.83		78.93	118.5	113.0
86.87	142.1	142.1	83.83	89.18	81.60	123.8	118.3
19.27	157.8	155.2	86.48	97.11	84.23	134.3	128.9
51.67	170.9	168.3	89.13	97,11	86.86	139.5	136.8
84.07	186.6	184.1	94.42	99.76	92.12	155.2	150.0
16.47	202.3	199.8	97.07	107.7	94.75	168.3	163.1
48.87	218.0	218.1	105.0	113.0	97.38	181.3	176.2
31.27	236.3	236.4	110.3	113.0	100.0	197.0	189.4
13.67	254.6	254.8	115.6	126.2	107.9	212.6	205.1
+6.07	272.9	275.7	123.5	136.8	113.2	225.6	215.6
78.47	291.6	294.6	131.5	142.1	118.4	241.3	228.7
10.87	313.3	319.0	139.4	160.5	123.7	254.3	244.5
13.27	335.0	340.8	152.6	173.7	134.2	275.2	265.5
75.67	359.4	365.2	165.8	186.8	139.5	296.7	284.0
70.80	383.8	392.4	176.3	202.6	152.6	321.0	108.5
0.47	413.2	418.9	192.1	215.7	163.1	348.1	333.0
72.87	436.8	447.8	207.9	234.1	173.5	375.2	363.0
5.27	470.8	479.2	223.6	255.1	186.6	410.0	392.9
37.67	497.0	505.5	242.1	276.1	199.7	433.5	419.5
0.07	523,1	531.7	26341	295.1	215.4	457.0	443.1
2.80	664.5	662.8	580.7	577.7	497.0	605.9	613.9
5.20	677.6	673.3	585.9	580.3	507.4	618.9	624.4
7.60	695.9	694.3	593.8	588.2	515.3	637.2	640.2
0.00	716.9	717.9	604.4		525.8	655.5	661.2
12.40	740.4	736.2	614.9	614.5	536.2	679.0	682,3
06/	11/2	REVISED D	AYE				EWI
K EGG	ERT 6/18/62	<u> </u>	,	ATED SHEAR			5-652
SHIM	10NO 9/20/62			0. 05652		PEC. 0201	
Ola	lea /24/2		CONDA	NO. 01		IN_01	D2-80081
	1/-7			THE BOEIN	IG COMPANY	ſ	PAGE.
							,
TRACT NO.							FIG. 154

TIME	1	-15	8-5 T-16	1	-17	4_6 T-18	7-19	8-6 T-20	3-7 1-21
SEC.	, -				DEG	REES FAHREN	HEIT		
1264.8	30 7	66.1	769.8	3 6	30.7	625.0	549.3	705.1	708.
1297.2		86.5	787.6	6	43.9			720.8	732.
1329.6		11.9	810.5		59.7			744.3	
362.0		37.4	836.0		80.7			767.3	
394.4		62.8	858.9		99.2			792.7	801
1426.8	8 08	88.2	887.0) 7	17.6	717.1	620.0	815.5	824.
1459.2		18.8	917-6	7	41.3	735.5	638.3	848.5	850.
491.0		44.2	945.6	7	64.6	758.9	656.7	873.9	880.
524.0	0 9	74.7	976.2	7	92.7	784.5	680.2		906.
525.6		79.8	976.2	7	95.3		682.8	906.9	911.
065.6	2 1	075.	1074.	. 1	021.	1004.	041.7	1029.	1022
071.0		075.	.1074.		018.		941.7	1026.	1022
103.4		08C.	1084.		026.			1034,	
135.8		101.	1100.		034.			1050.	
168.2			1120.		041.	1033.	974.7	1070.	
200.6	2 1	144.	1146.	1	054.	1041.	987-4	1091.	1086
233.0		157.	1159.		067.		997.6	1104.	1099
265.4		178.	1182.		083.	1072.	1013.	1124.	
297.8		191.	1193.		101.	1087.	1029.	1124	1120
321.0		193.	1198.		109.	1100.	1041.	1137. 1142.	1133 1140
861.0	i. 1	258.	1268.	1	236.	1235.	1211.	1230•	1228
401.0		286.	1296.		275.	1274.	1286.		
								1266.	1265
941.0		304.	1311.		288.	1287.	1322.	1284.	1283
481.0 990.8		307. 304.	1319. 1313.		301. 285.	1300. 1271.	1338. 1309.	1294.	1296 1288
774.0	0 1	1044	1.7 1,3 4		2034	12114	13074	1200	1200
007.C		299.	1311.		285.	1271.		1286.	1288
023.2		304.	1311.	1	285.	1271.	1309.	1284.	1285
039.4	0 1	304.	1311.	1	285.	1269.	1309.	1291.	1285
055.6	0 1	304.	1311.	1	285.	1269.	1309.	1286.	1285
071.8	0 1	304.	1311.	1	285.	1274.	1309.	1286.	1285
088.C	0 1.	304.	1314.	1	288.	1274.	1309.	1286.	1288
104.2		304.	1311.		285.	1269.	1307.	1286.	1285
120.4		304.	1311.		285.	1274.	1307.	1286.	1285
136.6		304.	1309.		285.	1274.	1304.	1286.	1285
152.8		304.	1311.		285.	1271.	1307.	1286.	1285
169.0	0 1	304.	1311.	1	285.	1271.	1307.	1284.	1285
185.2		302.	1311.		285.	1274.	1307.	1284.	1285
201.4		302.	1306.		285.	1274.	1304.	1284.	1285
217.6	_	304.	1306.		285.	1274.	1304.	1286.	1283
233.8		302.	1314.		285.	1271.	1304.	1284.	1285
ALC	06/11/	12	REVISED	DATE					EWA
	GOERT		6.7		CORRUG	ATED SHEAR	WEB PAN	EL	5-65.
	SHIMON					0. 05652		PEC. 0201	Park upon supon
	Clobes					NO. 01	R	UN 01	DS-800
						THE BUEIN	IG COMPAN		PAGE
ONTRACT	NO.								F16. 1
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Tine	7-5	8-5	3-6	4-6	7-6	8-6	3-7
TIME	T-15		7-17	T-18	1-19	T-20	T-21
SEC.			DEG	REES FAHR	ENHEIT	*****	
5250.00	1299.	1311.	1203	1071	1201		ŧ
5266.20	1299.		1205	1269.	1304.	1 1286.	1285
5282.40	1304.		1203	1204	1304.	1286.	1285
5298.60			1205.	1271.	1304.	1286. 1284.	1288
5314.80	1304.	1309.		1271.	1504.	1284.	1285
A 1				1271.	1304.	1286.	1285
331.00	1304.	1309.	1285	1271.	1302.	1284	1200
347.20	1304.	1309.	12834	1271.	1304.	1284.	
363.40	1304.	1309.	1285.	1271.	1304	1284.	
379.60	13024	1304.	1285.	1271.	1307	1281.	
395.80	1304.	1309.	1285.	1271.	1302.		
				,	1502.	1284.	1285
411.46	1302.	1309.	1285.	1271.	1304.	1284	1283
427.66	1304.	1309.	1280.	1271.			1283
443.32	1302.	1309.	1283.	1274.	1299.	1281.	
459.52	1299.	1309.	1283.	1276.	1304.	1284.	
475.18	1302.	1309.	1283.	1271.	1302.		1283.
h 00 0h				4			1203
490.84	1302.	1309.	1280.	1269.	1299.	1281.	
506.50	1302.	1306.	1283.			1284.	
522.70	1296.	1309.	1283.	1274.		1284.	
538.36	1299.	1306.	1280.		1296.	1284.	
554.02	1302.	1309.	1283.	1274.	1299.		
	1302.	1306.	1007	1010			
86.42	1299.			1269.	1296.	1281.	1283.
502.62	1299.	1306.	1280.	1271.	1296.	1284.	1283.
518.82	1299.	1306.	1280.		1296.	1284.	1285.
35.02	1299.	1306.	1280.		1296.	1284.	1285.
23105	18449	1309.	1280.	1271.	1296.	1281.	1285.
51.22	1299.	1309.	1283.	1271.	1296.	1281.	1005
67.42	1299.	1306.	1285.	1271.	1296.	1201	1285.
83.62	1296.	1306.	1283.		1299.	1284.	1283.
99.82	1299.	1306.	1283.	1269	1296.	1281.	1285.
16.02	1299.	1306.	1283.	1271.		1281.	1283.
		,300	12030	12114	1296.	1284.	1283.
32.22	1294.	1304.	1277.	1269.	1294.	1281.	1283.
48.42	1294.	1304.	1277.	1269.	1296.	1281.	1283.
64.62	1294.	1301.	1277.	1269.	1294.	1281.	
80.82	1294.	1304.	1217.	1266.	1294	1281.	1283. 1283.
97.02	12964	1306.	1277.	1269.	1294.	1281.	1283.
	, , , ,	ı				12010	1200
13.22	1294.	1301.	1277.	1271.	1294.	1278.	12834
29.42	1294.	1309.	1277.	1266.	1296.	1278.	1283.
45.62	1294	1304.	1277.	1271.	1294.	1278.	1280.
61.82	1289.	1301.	1275.	1266.	1294.	1278.	1084.
78.02	1294.	1298.	1272.	1266.	1294.	1276.	794.0
c 06/1	1/2	REVISED DAT	E				
1007	RT 6/18/67		CORRUGA	TED CHEAR	WEB PANE		EWA
			- FMV NU	. 05652			5-652
	040 6/20/62	ļ	COND.			EC. 0201	
Clob	en 6/20/2				IG COMPANY	N_01	DS-80081
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333 /450							2-5000

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TIME SEC.	7-5 T-15	8-5 1-16	3 ⁻ 6 T-17 DEGF	4-6 T-18 REES FAHRI	7-6 T-19 ENHEIT	8-6 T-20	3_7 T-21
5890.98	1294.	1304.			, 12944	1278.	980.4

CALC	06/11/2	REVISED	DATE		EWA
CHECK	EGRERT 6/10/6			CORRUGATED SHEAR WEB PANEL	5-652
APR	SHIMONO 6/20/6:			EWA NO. 05652 SPEC. 0201	
APR	Martin 6/20/2			COND. NO. OI RUN OI	Da-80081
	1	1		THE BOEING COMPANY	
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CONTRA	CT NO.				F16.157
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TIME	4-7 T-22	7-7 1-23	8_7 T-24	3-8	4-8 T-26	7-8 T-27	8 ⁻⁸
SEC.	1-22	1-23		T-25 REES FAHREN		1-21	1-24
			540.				
• 33	75.92	78.74	81.49.	78.46	78.48	75.99	76.12
.87	73.17	78.74	81.49	78.46	75.73	73.25	76.12
33.27	75.92	78.74	84.12	78.46	78.48	75.99	76.12
65.67	78.66	78.74	81.49	78.46	78.48	75.99	76.12
98.07	78.66	76.00	81.49	78.46	72.98	73.25	76.12
30.47	75.92	76.00	81.49	78.46	75.73	75.99	76.12
62.87	73.17	76.00	81,49	75.71	75,73	73,25	76.12
195.27	75.52	78.74	81.49	78.46	78.48	75.99	73.38
27.67	78.66	76.00	84.12	81.17	78,48	75,99	76.12
260.07	73.17	78.74	86.76	83.82	75.73	75.99	76.12
292.47	78.66	78,74	94.66	91.76	81.19	78.73	76.12
324.87	78.66	78.74	102.6	97.05	81.19	78.73	78.86
157,27	78.66	81.43	110.5	107.6	83.83	78.73	78.86
89.67	83.99	84.07	121.0	115.6	86.48	81.41	78.86
22.07	81.35	84.07	131.6	126.2	91.77	84.05	78.86
54.47	83.99	86.70	142.1	136.8	97.07	86.69	84.17
86.87	86.63	86.70	155.2	147.4	99.71	91.97	86.80
19.27	86.63	91.98	170.9	163.2	110.3	97.24	86.80
51.67	94.55	97.25	184.0	178.9	118.2	97.24	89.43
84.07	99.83	102.5	202.4	194.7	123.5	102.5	94.70
16.47	105.1	107.8	218.1	213.1	128.8	107.8	94.70
48.87	105.1	113.1	239.0	231.6	139.4	113.1	97.33
81.27	113.0	121.0	260.0	247.3	150.0	118.3	105.2
13.67	118.3	131.5	281.0	268.4	160.5	123.6	110.5
46.07	123.6	139.5	302.7	292.5	168.4	131.5	115.8
78.47	131.5	152.6	324.4	311.6	186.8	139.4	121.0
10.87	139.4	165.7	351.6	336.2	197.3	152.6	128.9
43.27	152.6	178.8	373.4	360.8	215.8	163.1	136.8
75.67	157.9	191.9	397.8	382.6	239.4	173.6	144.7
08.07	173.6	207.7	424.1	412.2	249.9	186.7	152.6
40.47	181.5	226.0	447.7	438.5	271.0	202#4	163.1
72.87	194.6	244.4	473.9	464.9	295.2	215.5	178.8
05.27	213.0	265.3	505-4	496.5	319.8	228.6	186.6
37.67	226.1	289.2	526.4	522.8	344.3	247.0	197.1
70.07	230.2	311.0	552.6	549.2	366.2	265.3	212.8
02.80	498.2	689.4	694.2	688.8	620.2	534.6	486.8
35720	506.1	697.3	709.9	704.6	630.7	542.5	497.3
67.60	514.0	705.1	725.6	723.0	638.6	550.4	507.8
00.00	527.1	715.6	751.8	746.7	649.1	558.3	513.0
32.40	540.3	728.7	774.7	769.9	664.9	568.8	523.5
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	70.22	1277.	1338.	1327.	1327.	1314.	1341.	1295.
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	18.82	1280.	1338.	1329.	1327.	1311.	1338.	1295.
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	5.62	1272.	1330.	1316.	1314.	1306.	1336.	1292
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162	. 87	75.97	78.53	76.08	79.36	73.13	76.01	76.14 73.41
195		78.72	78.53	78.81	76.65	75.88	78.75	73.41
227		78.72	78,53	78.81	76.65	73.13	76.01	73.41
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389		97.23	102.4	102.6	89.85	75.88	76.01	76.14 76.14
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616.	.47	139.4	160.5	160.5	118.6	89.24	91.98	86.82
648		150.0	168.4	170.9	126.5	91.88	94.62	89.45
681.		157.9	178.9	186.7	131.7	97.16	94.62	92.08
713.		173.6	194.7	197.1	139.5	97.16	105.2	97.35
746.	07	186.7	210,5	212.8	152.6	105.1	105.2	102.6
778.	47	199.8	228.9	228.6	157.8	110.4	107.8	105 2
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CONTRACT NO. U6 5553 7450

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	3-9	4-9	7-9	8-9	3-10	4-10	7-10
TIME	T-30	T-31	T-32	T-33	T-34	T-35	T-36
SEC.		****	DEG	REES FAHRE	NHEIT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
5250.00	1350.	1463.	1445.	1287	1267	1237.	1238
5266.20		1461.	1445.	1287	1257	1237.	
5282.4C		1458.	1445.		1237		1238
5298:60							
			1445.				
5314.80	1359.	1458.	1445.	1290.	1257.	1235.	1238
331.00	1359.	1458.	14434		1257.	1232.	
347.20	1359.	1458.	1443.	1290.	1257.	12354	
363.40		1455.	1443.	1290.	1257.	1235.	
379.60	1359.		1440.	1290.	1257.	1235.	
395.80	1359.	14554	1443.	1290	1257.	1235.	1235
				-	12310	1235	1233
411.46	1357.	1455.	1443.	1287.	1257.	1235.	1238
427.66	1359.		1440.		1257.	12374	1235
443.32	1357.	1455.	1440.	1287.	1257.	12374 1235.	1238
	1354.	1453.	1440.	1287.		1237.	1238
475.18	1357.	1455.	1440.	1287.		1235.	1238
490.84	1359.	11.57	11,70	1287.	1067	1070	1075
506.50		1455.		1287.			1238
522.70			1438.		1257.		
538.36		1453.	1438.		1257.		
554.02	1354.	1455.	1435.	1285.	1257.	1237.	1235
570.22	1354.	1453.	1440.	1287.	1257.	1232.	1235
586.42	1351.	1453.	1435.	1287.	1257.	1232.	1235
602.62	1351.	1450.	1404.	1282.	1257.	1235.	1238
618.82	1351.	1450.	1435.	1282.	1257.	1237.	1238.
635.02	1351.	1453	1435.	1282.	1257.	1232.	1233
0.7.3.4.0.4	122 14	• C L F 1	17330	1 4.0 %	14314	IKJE	18.33
651.22			1435.	1282.	1255.	1232.	1235
667.42	1349.	1448.	1435.	1282.	1257.	1232.	1235
683.62	1351.	1450.	1435.	1282.	1255.	1235.	1238
699.82	1351.	1453.	1435.	1282.	1257.	1235.	1238
716.02	1354.	1450.	1435.	1282.	1257.	1232.	1235
					3 , •		
732.22	1351.	1450.	1435.	1282.	1255.	1235.	1235.
748.42	1349.	1450.	1435.	1282.	1257.	1232.	1235
764.62	1349.	1448.	1432.	1279.	1252.	1232.	1235.
780.82	1344.	1448.	1432.	1279.	1255.	1232.	1235
797.02	1349.	1448.	1432.	1279.	1252.	1232.	1233.
	4 10 1			1000	1000	1075	
313422	1349.	1448.	1430.	. 1282.	1255.	1235.	1235
829.42	1346.	1448.	1432.	1277	1255.	12294	1233.
845.62	1349.	1445.	1430.	1279.	1252.	1232.	1233.
861.82	1346.	1448.	1427.	1277.	1252.	1232.	1233.
878.02	1344.	1445.	1427.	1274.	1252.	1229.	1233.
	11/2	REVISED D	ATE				EWA
ALC OA		#	CORRIG	ATED SHEAR	HER DANI	, ::1	1
			POULUG				5-65
HECK EOE	BERT 6/1A/62		FWA NI	በል በካለካን		וחכת בקוב	1
HECK EGB PR SHIM	ONO 6/20/62			0. 05652 NO. 01		PEC. 0201	72-8008
HECK EGB PR SHIM				NO. 01	· RI	JN 01	
HECK EGB PR SHIM	ONO 6/20/62			NO. 01		JN 01	D2-8008

U6 5553 7450

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3_1₀ 1-34 3-9 4-9 4-10 8-9 7-10 TIME T-31 1-32 T-33 T-35 1-36 SEC. -DEGREES FAHRENHEIT--5890.98 1277. 1430. 1346. 1445. 12524 1229. 1233. 1, . ,

REVISED DATE CALC 06/11/2 EWA CHECK = EGBERT 6/10/62

APR SHIMONO 5/20/62

APR 2/01/4 6/20/2 CORRUGATED SHEAR WEB PANEL 5-652 EWA NO. 05652 SP COND. NO. 03 RII THE BOEING COMPANY SPEC. 0201 RUN 01 DZ-80081 PAGE F16.165 182 CONTRACT NO. U6 5553 7450

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ME				7-11	8-11		4-12 T-43
	~~~~					1-42	1-43
	76.30	73.29	75.85	73.41	76.21	73-01	73.1
		73.29	73.10	73.41			75.8
		73.29	75.85	73.41	78.94		75.8
			73.10	70.68	76.21	73.01	75.8
07	76.30	76.03	78.59	70.68	73.47	73.01	73.1
	76.30	73.29	75.85	70.68	76.21	73.01	75.8
							75.8
							75.89
							75.8
. 07	10.30	75.29	78.59	76.15	76.21	73.01	73.1
	76.30	76.03	75.85	76.15	76.21	73.01	78.6
87							78.61
							78.61
							78.61
01	14.03	16.05	18.59	Y2.09	84.24	78.51	81.33
	79.C3	78.77	81.29	94.72	84.24	78.51	81.33
	81.70	78.77	81.29	97.35	86.87	81.21	83.9
		81.45	81.29	102.6	94.76	81.21	83.97
	81.70	81.45	86.57	105.2	97.39	83.86	86.6
07	86, 95	84.09	89.22	110.5	100.0	86.50	86.61
	92.20	86.73	83.93	115.8	102.7	86.50	91.89
	86 + 95	89.36	89.22	121.0	110.5	91.79	94.53
	92.20	92.00	97.14	128.9	113.2	94.44	97.18
	97.46	97.27	97.14	134.2	118.4	97.09	97.18
0?	97.46	99.91	102.4	139.5	121.1	99.73	99.82
	102.7	102.5	107.7	147.4	131.6	105.0	110.4
	108.0		110.4	155.2	136.8	107.7	110.4
		110.5	115.6	165.7	139.5	113.0	113.0
	118.5	118.4	123.6	170.9	152.6	115.6	120.9
07	126.4	123,6	128.9	178.8	155.2	120.9	118.3
	129.0	128.9	136.8	189.2	163.1	126.2	128.9
	139.5	144.7	142.1	197.1	173.5	131.5	139.4
				207.6	181.4	136.8	139.4
						144.7	147.4
07	16843	160.5	171.0	228.5	197.1	147.4	157.9
	394.3	384.3	406.5	356.8	345.8	292.4	294.9
	405.0	395.2	422.3	362.3	351.3	295.2	300.4
	412.8	403.2	427.5	370.4	354.0	300.6	305.8
					362.1	306.1	305.8
40	456.4			381.3	367.5	311.5	319.4
							EWA
EGB	FRT 6/18/62	1 1					5-15
			-				D2 00.
Clot	LA_ 6/20/2		LUNU				D2-800°
				THE BUCH	13 COMPANT		PAGE
							FIG. 16
	27 607 1877 107 107 107 107 107 107 107 1	#E T-37	T-37  T-38  T-38  T-37  T-38  T-38  T-38  T-38  T-38  T-38  T-37  T-38  T-38	0.	T-37 T-38 T-39 T-40  T-38 T-39 T-40  T-38 T-39 T-40  T-38 T-38 T-39 T-40  T-38 T-38 T-39 T-40  T-38 T-38 T-39 T-40  T-38 T-38 T-38 T-38 T-38 T-38 T-38 T-38	T-37 T-38 T-39 T-40 T-41  DEGREES FAHRENHEIT	T-37 T-38 T-39 T-40 T-41 T-42  T-37 T-38 T-39 T-40 T-41 T-42  T-37 T-38 T-39 T-40 T-41 T-42  T-333 76.30 73.29 75.85 73.41 76.21 73.01  127 76.30 73.29 75.85 73.41 76.21 73.01  127 76.30 73.29 75.85 73.41 76.94 73.01  127 76.30 73.29 75.85 70.68 76.21 73.01  127 76.30 73.29 75.85 70.68 76.21 73.01  127 76.30 73.29 75.85 70.68 76.21 73.01  127 76.30 73.29 75.85 70.68 76.21 73.01  127 73.57 73.29 75.85 70.68 76.21 73.01  127 76.30 73.29 75.85 70.68 76.21 73.01  127 76.30 73.29 75.85 70.61 70.21 73.01  127 76.30 73.29 75.85 76.15 76.21 73.01  127 76.30 73.29 75.85 76.15 76.21 73.01  127 76.30 73.29 75.85 76.15 76.21 73.01  127 76.30 76.03 78.59 81.50 78.94 75.76  127 70.30 76.03 78.59 84.19 81.61 75.76  127 70.30 76.03 78.59 84.19 81.61 75.76  127 70.30 76.03 78.59 84.19 81.61 75.76  127 70.30 76.03 78.59 84.99 84.24 78.51  147 79.63 76.03 78.59 80.82 81.61 75.76  147 79.63 76.03 78.59 92.09 84.24 78.51  147 79.63 76.03 78.59 80.82 81.61 75.76  147 79.63 76.03 78.59 80.82 81.61 75.76  147 79.63 76.03 78.59 80.82 81.61 75.76  147 79.63 76.71 81.29 94.72 84.24 78.51  147 90.63 81.45 81.29 102.6 94.76 81.21  147 90.63 88.95 89.96 89.22 110.5 100.0 86.50  147 92.20 86.73 83.93 115.8 102.7 86.50  147 92.20 86.73 83.93 115.8 102.7 86.50  147 92.20 86.73 83.93 115.8 102.7 86.50  147 92.20 86.73 83.93 115.8 102.7 86.50  147 102.7 102.5 107.7 147.4 131.6 105.0  147 102.7 102.5 107.7 147.4 131.6 105.0  147 102.7 102.5 107.7 147.4 131.6 105.0  147 129.0 128.9 136.8 189.2 163.1 126.2  148 139.5 144.7 142.1 197.1 173.5 131.5  149 139.5 144.7 142.1 197.1 173.5 131.5  140 110.5 115.6 165.7 139.5 113.0  141 102.7 102.5 107.7 147.4 134.2 118.4 97.00  126.4 123.6 120.9 178.8 155.2 120.9  147 129.0 128.9 136.8 189.2 163.1 126.2  148 139.5 144.7 142.1 197.1 173.5 131.5  149 144.7 144.7 145.1 197.1 173.5 131.5  140 141.7 144.7 145.1 197.1 173.5 131.5  141 102.7 102.5 107.7 147.4 134.2 118.4 107.0  142.4 139.5 121.1 99.73  144 102.7 102.5 107.7 147.4 134.2 118.4 107.0  108.4 144.7 142.1 197.1 173.5 131.5  108.4 144.7 142.1 197.1 173.5

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TI		8-10 T-37	3-11 1-38	4-11 T-39	7-11 T-40	8-11 1-41	3-12 T-42	4- T-
SE	C.			DEG	REES FAHRE		7 f.	
1264		446.8	437.4	461.7	392.1	375.7	317.0	31
1297		457.3	450.5	474.9	400.3	381.1	322.4	32
1329		473.0	463.6	488.0	408.1	389.2	327.9	3.
1362		486.0	476.7	506.4	418.6	400.1		31
1394	• 40	50147	492.4	522.2	429.1	407.9		31
1426		517.4	505-6	538.0	442.2	418.4	347.0	31
1459		533.1	523.9	559.0	455.3	428.9	355.2	3.
1491		548.8	539.7	574.8	468.4	439.3		3
1525		572.3 572.3	521.3 560.6	595.8 595.8		455.0		3
	a . 4+		3 *		484.1	457.7	574.3	3
2065		866.9	859.1	883.8	662.2	643,5	548.9	- ,
2071		866.9	861.7	886.4	662.2	64345		5
2103		882.1 889.7	871.9	896.6	672.7	651.3	559.5	5
2135		899.7	884.6	909.4	683.2	661.8		5
				917.0	691.0	667.0	577.9	58
2200		912.6	907.6	929.8	704.1	680.1	585.8	59
2233		92543	920.3	945.1	717.2	690.6	598.9	5
2265		938.0	930.5	955.4	727.7	703.7	606.8	6
2297. 2321.		950.7 958.3	943.3	968.1	740.8	716.8	617.4	62
43214		Z O C Y	950.9	975.8	751.2	727.2	625.3	6.
2861.		1112.	1105.	1128.	919.2	8.009	813.0	8
3401		1174.	1167.	1185.	995.6	979.7	907.6	91
3941.		1210.	1201.	1216.	1039.	1031.	963.9	97
44814		1225. 1228.	1216. 1219.	1237. 1234.	1073. 1055.	1059.	999.7	10
						1052.	994.6	99
5007.		1228.	1219.	1234.	1055.	1049.	992.1	99
5023.		1225.	1219.	1234.	1055.	1052.	992.1	99
5039.		1225.	1219.	1234.	1057.	1054.	992.1	99
5055.		1228.	1219.	1237.	1057.	1052.	994.6	99
5071.	b U	1225.	1219.	1234.	1055.	1052.	992.1	99
5088		1225.	1219.	1234.	1057.	1052.	994.6	99
5104.		1228	1219.	1234.	1055.	1049.	992.1	99
5120.		1228.	1219.	1234.	1055.	1049.	992.1	99
5136. 5152.		1225. 1225.	1219. 1219.	1232. 1234.	1057. 1057.	1049.	994.6	99
A 1 .					10374	1049.	992.1	99
5169.		1225.	1219.	1234.	1057.	10524	992.1	99
5185.		1225.	1219.	1234.	1055.	1049.	992.1	99
201.		1223.	1219.	1234.	1055.	1049.	992.1	99
217		1228.	1219.	1232.	1057.	1052.	994.6	99
5233.	ชบ	1225.	1219.	1232.	1057.	1049.	992+1	99
CALC		11/2		CORPLIC	ATED CHEST	urn a		E
CHECK		ERT 6/18/62			ATED SHEAR 0. 05652			5
APR		10NO \$/20/62			NO. 0.1		PEC. 0201 JN 01	D2-
APR	Clo	bea. 6/20/2				NG COMPANY		PAG
	<u> </u>	1	<u></u>					FIG
ONTRAC	T NO			Ī		4		11-16

THE T-37 T-38 T-39 T-40 T-41 T-42 T-45 SEC.			8-10	3-11	: <u>ia⊆</u> 11	7-11	8-11	3-12	4-1;
\$250.00   1225.   1219.   1232.   1057.   1049.   994.6   995.   \$268.20.   1225.   1219.   1234.   1055.   1049.   994.6   998.   \$288.246   1223.   1216.   1234.   1055.   1059.   994.6   998.   \$299.60   1225.   1219.   1234.   1055.   1052.   994.6   998.   \$331.00   1225.   1216.   1234.   1055.   1052.   994.6   998.   \$3347.20   1225.   1216.   1234.   1057.   1052.   994.6   993.   \$3347.20   1225.   1216.   1234.   1057.   1052.   994.6   993.   \$3359.60   1223.   1216.   1232.   1057.   1052.   994.6   995.   \$3379.60   1223.   1216.   1232.   1057.   1052.   994.6   995.   \$3379.60   1223.   1216.   1232.   1057.   1052.   994.6   995.   \$3411.46   1225.   1216.   1232.   1057.   1054.   994.6   995.   \$3413.83   1223.   1216.   1232.   1057.   1054.   994.6   995.   \$3413.84   1225.   1216.   1232.   1057.   1054.   990.7   998.   \$443.32   1223.   1216.   1232.   1055.   1049.   992.1   996.   \$443.32   1223.   1216.   1232.   1057.   1052.   992.1   998.   \$445.95   1225.   1216.   1232.   1057.   1052.   992.1   998.   \$459.52   1225.   1216.   1232.   1057.   1052.   994.6   998.   \$459.52   1225.   1216.   1232.   1057.   1052.   994.6   998.   \$459.52   1225.   1216.   1232.   1057.   1052.   994.6   995.   \$522.70   1225.   1216.   1232.   1057.   1052.   994.6   995.   \$522.70   1225.   1216.   1232.   1057.   1052.   994.6   995.   \$522.70   1225.   1216.   1232.   1057.   1052.   994.6   995.   \$522.70   1225.   1216.   1232.   1057.   1052.   994.6   995.   \$522.70   1225.   1216.   1232.   1055.   1049.   992.1   998.   \$548.42   1225.   1216.   1232.   1055.   1049.   992.1   998.   \$549.42   1225.   1216.   1232.   1055.   1049.   992.1   998.   \$5402.22   1226.   1216.   1232.   1055.   1049.   992.1   998.   \$5402.22   1226.   1214.   1232.   1055.   1049.   992.1   998.   \$641.82   1226.   1214.   1232.   1055.   1049.   992.1   998.   \$641.82   1226.   1214.   1232.   1055.   1049.   992.1   998.   \$641.82   1226.   1214.   1227.   1055.   1049.   992.1   993.   \$780.82   1226.   1			7-37		T-39	1-40	T-41		
1234   1055   1049   994   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   998   9	3.0				DEG	REES FAHR	ENHEIT	******	
52664_20			1225.	1219.	1232.	1057.	1049.	994.A	995
1282.40   1223.   1216.   1234.   1055.   1054.   992.1   995.			1225.	1219.					
1225.   1216.   1234.   1055.   1052.   994.6   998.			1223.	1216.					
1231			1225.	1219.					
1225	5314	.80	1225.	1216.					
1347-20   1225   1216   1234   1057   1049   994   6   993     336340   1225   1219   1232   1057   1052   994   6   995     3379-60   1223   1216   1232   1057   1052   994   6   995     3379-60   1223   1216   1232   1057   1054   994   6   995     3379-60   1223   1216   1232   1057   1054   994   6   995     3411-46   1225   1216   1232   1057   1054   994   6   995     3441-32   1223   1219   1232   1055   1049   992   1   996     3443-32   1223   1219   1232   1055   1052   992   1   996     3443-32   1225   1216   1232   1057   1052   992   1   996     3490-84   1225   1216   1232   1057   1052   992   1   996     3506-50   1225   1216   1232   1057   1052   994   6   995     3506-50   1225   1219   1232   1057   1052   994   6   995     3533-36   1223   1219   1234   1057   1052   994   6   995     3558-02   1225   1216   1232   1057   1052   994   6   995     3570-22   1226   1216   1232   1057   1052   994   6   995     3570-22   1226   1216   1232   1057   1052   994   6   995     3570-22   1225   1216   1232   1057   1052   994   6   995     3570-22   1225   1216   1232   1055   1049   994   6   995     3570-22   1226   1216   1232   1055   1049   992   1   995     3580-42   1225   1216   1232   1055   1049   992   1   995     3580-42   1225   1216   1232   1055   1049   992   1   995     3570-22   1226   1216   1232   1055   1049   992   1   995     3570-22   1226   1216   1232   1055   1049   992   1   995     3580-42   1225   1216   1232   1055   1049   992   1   995     3570-22   1226   1216   1232   1055   1049   992   1   995     3570-22   1226   1216   1232   1055   1049   992   1   995     3580-42   1225   1216   1232   1055   1049   992   1   995     3580-42   1226   1216   1232   1055   1049   992   1   995     3580-80   1226   1216   1232   1055   1046   992   1   993     3580-80   1226   1216   1232   1055   1046   992   1   993     3580-80   1226   1216   1216   1227   1055   1046   992   1   993     3580-80   1226   1216   1227   1055   1046   992   1   993     3580-80   1226   1216					1234.	1057.	1052.	994.6	905
13363.40   1225.   1219.   1232.   1057.   1052.   994.6   975.     13379.60   1223.   1216.   1232.   1057.   1052.   994.6   975.     13395.80   1223.   1216.   1232.   1057.   1052.   994.6   975.     1341.46   1225.   1216.   1232.   1055.   1049.   992.1   995.     1343.32   1223.   1219.   1232.   1055.   1052.   992.1   998.     1345.32   1223.   1219.   1232.   1055.   1052.   992.1   998.     1359.52   1225.   1216.   1232.   1057.   1052.   992.1   998.     1369.64   1225.   1216.   1232.   1057.   1052.   994.6   998.     1360.50   1225.   1219.   1232.   1057.   1052.   994.6   995.     1526.70   1225.   1216.   1232.   1057.   1052.   994.6   995.     1538.36   1223.   1219.   1234.   1057.   1052.   994.6   995.     1558.40   1225.   1216.   1232.   1057.   1052.   994.6   995.     1558.40   1225.   1216.   1232.   1057.   1052.   994.6   995.     1558.40   1225.   1216.   1232.   1057.   1052.   994.6   995.     1570.22   1228.   1216.   1232.   1055.   1052.   994.6   995.     1570.22   1228.   1216.   1232.   1055.   1049.   994.6   995.     1586.42   1225.   1216.   1232.   1055.   1049.   994.6   995.     1586.42   1225.   1216.   1232.   1055.   1049.   992.1   995.     1586.42   1225.   1216.   1232.   1055.   1049.   992.1   995.     1586.42   1225.   1216.   1232.   1055.   1049.   992.1   995.     1586.42   1225.   1216.   1232.   1055.   1049.   992.1   993.     1586.42   1225.   1216.   1232.   1055.   1049.   992.1   993.     1586.42   1226.   1214.   1232.   1055.   1049.   992.1   993.     1586.42   1226.   1214.   1232.   1055.   1049.   992.1   993.     1586.42   1226.   1214.   1232.   1055.   1049.   992.1   993.     1586.42   1226.   1214.   1232.   1055.   1049.   992.1   993.     1586.42   1226.   1214.   1232.   1055.   1049.   992.1   993.     1586.42   1226.   1214.   1229.   1055.   1046.   992.1   993.     1586.42   1226.   1214.   1229.   1055.   1046.   992.1   993.     1586.42   1226.   1214.   1227.   1055.   1046.   992.1   993.     1586.42   1226.   1214.   1227			1225.	1216.					
13379.60 1223. 1216. 1232. 1057. 1052. 994.6 995. 13395.80 1223. 1216. 1232. 1057. 1054. 994.6 995. 13411.46 1225. 1216. 1234. 1055. 1049. 992.1 995. 13411.46 1225. 1216. 1232. 1055. 1054. 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990.7 990			1225.		1232.				
1233	5379	.60	1223.	1216.					
127.66   1223.   1216.   1232.   1000.   1054.   970.7   978.     1343.32   1223.   1219.   1232.   1055.   1052.   972.1   978.     1459.52   1225.   1216.   1232.   1057.   1052.   972.1   978.     1475.18   1225.   1216.   1232.   1057.   1052.   974.6   978.     1490.84   1225.   1214.   1232.   1057.   1052.   974.6   978.     1506.50   1225.   1219.   1232.   1057.   1052.   974.6   975.     1522.70   1225.   1216.   1232.   1057.   1052.   974.6   975.     1522.70   1225.   1216.   1232.   1057.   1049.   972.1   978.     1533.36   1223.   1219.   1234.   1057.   1052.   974.6   973.     1534.36   1223.   1219.   1234.   1057.   1052.   974.6   975.     1538.36   1223.   1216.   1232.   1057.   1052.   974.6   975.     1570.22   1228.   1216.   1232.   1057.   1052.   974.6   975.     1586.42   1225.   1216.   1232.   1055.   1049.   974.6   975.     1586.42   1225.   1216.   1232.   1055.   1049.   972.1   975.     1618.82   1225.   1216.   1232.   1055.   1049.   972.1   975.     1635.02   122C.   1214.   1232.   1055.   1049.   972.1   975.     1635.02   122C.   1214.   1232.   1055.   1049.   972.1   973.     1651.22   1220.   1214.   1232.   1055.   1049.   972.1   973.     1683.62   1220.   1216.   1232.   1055.   1049.   972.1   973.     1760.82   122C.   1216.   1232.   1055.   1049.   972.1   973.     1760.82   122C.   1214.   1232.   1055.   1049.   972.1   973.     1760.82   1220.   1214.   1232.   1055.   1049.   972.1   973.     1760.82   1220.   1214.   1229.   1055.   1049.   972.1   973.     1760.82   1220.   1214.   1229.   1055.   1049.   972.1   973.     1760.82   1220.   1214.   1229.   1055.   1046.   972.1   973.     1760.82   1220.   1214.   1229.   1055.   1046.   972.1   973.     1760.82   1220.   1214.   1229.   1055.   1046.   972.1   973.     1760.82   1216.   1211.   1227.   1055.   1046.   972.1   973.     1760.82   1216.   1211.   1227.   1055.   1046.   972.1   973.     1760.82   1216.   1211.   1227.   1055.   1046.   972.1   973.     1760.82   1216.   1211.   1227.   1	5395	<b>.</b> 80	1223.						
127.66   1223   1216   1232   1060   1054   999.7   998     1233   1223   1219   1232   1055   1052   992.1   998     1259.52   1225   1216   1232   1057   1052   992.1   998     1259.53   1225   1216   1232   1057   1052   994.6   998     1225   1214   1232   1057   1052   994.6   998     1225   1219   1232   1057   1052   994.6   995     1225   1219   1232   1057   1052   994.6   995     1225   1216   1232   1057   1049   992   998     1232   1057   1049   992   998     1233   1219   1234   1057   1052   994   6   995     1233   1219   1234   1057   1052   994   6   995     1235   1216   1232   1057   1052   994   6   995     1256   1225   1216   1232   1055   1052   994   6   995     1258   1225   1216   1232   1055   1049   994   6   995     1258   1225   1216   1234   1055   1049   994   6   995     1258   1225   1216   1232   1057   1052   994   6   995     1268   1225   1216   1232   1057   1052   994   6   995     1268   1225   1216   1232   1055   1049   992.1   995     1268   1225   1216   1232   1055   1049   992.1   995     1268   1225   1216   1232   1055   1049   992.1   993     1269   1220   1214   1232   1055   1049   992.1   993     1260   1223   1214   1232   1055   1049   992.1   993     1261   1223   1214   1232   1055   1049   992.1   993     1262   1220   1216   1232   1055   1049   992.1   993     1263   1220   1214   1232   1055   1049   992.1   993     1264   1225   1214   1229   1055   1049   992.1   993     1265   1224   1226   1214   1229   1055   1040   992.1   993     1266   1225   1214   1229   1055   1040   992.1   993     1267   1268   1216   1211   1227   1055   1040   992.1   993     1268   1268   1216   1211   1227   1055   1046   992.1   993     1268   1268   1216   1211   1227   1055   1046   992.1   993     1268   1268   1216   1211   1227   1055   1046   992.1   993     1268   1268   1216   1211   1227   1055   1046   992.1   993     1268   1268   1216   1211   1229   1055   1046   992.1   993     1268   1268   1216   1211   1229   1055   1046   992.1   993     1268   1	5411	.46	1225.	1216.	1234.	1055.	1049.	992-1	. 005
1843.32   1223.   1219.   1232.   1055.   1052.   992.   998.   1459.52   1225.   1216.   1232.   1057.   1052.   992.   998.   1459.52   1225.   1216.   1232.   1057.   1052.   994.6   998.   1225.   1214.   1232.   1057.   1052.   994.6   998.   1225.   1214.   1232.   1057.   1052.   994.6   998.   12050.   1225.   1219.   1232.   1057.   1049.   992.   998.   1225.   1216.   1232.   1057.   1049.   992.   998.   1225.   1216.   1232.   1057.   1052.   994.6   995.   1233.   1219.   1234.   1057.   1052.   994.6   995.   1253.   1216.   1232.   1055.   1052.   994.6   995.   1258.   1216.   1232.   1055.   1052.   994.6   995.   1258.   1216.   1232.   1055.   1049.   994.6   995.   1225.   1216.   1232.   1055.   1049.   994.6   995.   1225.   1216.   1234.   1055.   1049.   994.6   995.   1225.   1216.   1232.   1055.   1049.   992.1   995.   1225.   1216.   1232.   1055.   1049.   992.1   995.   1225.   1216.   1232.   1055.   1049.   992.1   995.   1225.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1214.   1232.   1055.   1049.   992.1   993.   1226.   1214.   1232.   1055.   1049.   992.1   993.   1226.   1214.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1232.   1055.   1049.   992.1   993.   1226.   1216.   1227.   1055.   1049.   992.1   993.   1226.   1216.   1229.   1055.   1049.   992.1   993.   1226.   1216.   1229.   1055.   1049.   992.1   993.   1226.   1216.   1229.   1055.   1049.   992.1   993.   1226.   1216.   1229.   1055.			1223.	.1216.					
12   12   12   12   13   10   10   10   10   10   10   10									
1216   1225   1216   1232   1057   1052   994   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   998   6   99			1225.	1216.					
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2265.42 0.009 0.110 0.040- 0.159 0.076- 0.044- 0.113- 2297.82 0.013 0.114 0.037- 0.163 0.082- 0.044- 0.122- 2321.04 0.013 0.118 0.029- 0.170 0.082- 0.050- 0.116- 2861.04 0.025 0.157 0.035- 0.217 0.05- 0.063- 0.186- 3341.04 0.039 0.176 0.022- 0.22 0.12- 0.085- 0.186- 3341.04 0.060 0.189 0.003 0.22 0.13- 0.102- 0.213- 4481.04 0.070 0.198 0.003 0.23 0.12- 0.102- 0.213- 4990.80 0.047 0.200 0.014- 0.201 0.12- 0.106- 0.223- 5007.00 0.194 0.185 0.084 0.266 0.12- 0.106- 0.223- 5007.00 0.194 0.187 0.110 0.270 0.12- 0.135- 0.214- 5023.20 0.218 0.187 0.110 0.270 0.12- 0.135- 0.214- 5039.40 0.237 0.179 0.097 0.585 0.12- 0.135- 0.206- 5055.60 0.255 0.170 0.124 0.587 0.12- 0.135- 0.206- 5071.80 0.265 0.168 0.128 0.35- 0.11- 0.125- 0.206- 50150.40 0.308 0.159 0.166 0.105- 0.114- 0.119- 0.176- 5120.40 0.308 0.159 0.166 0.105- 0.118- 0.192- 6152.80 0.334 0.153 0.178 0.405- 0.087- 0.119- 0.176- 6152.80 0.335 0.144 0.195 0.404 0.099- 0.114- 0.166- 61217.60 0.365 0.144 0.190 0.406 0.099- 0.114- 0.166- 61217.60 0.365 0.144 0.190 0.406 0.099- 0.114- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.099- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.099- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.099- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.099- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.099- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.099- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.099- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.103- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.103- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.103- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.103- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.103- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.103- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.103- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.103- 0.110- 0.166- 61217.60 0.365 0.144 0.195 0.406 0.103- 0.110- 0.166- 61217.60 0.365 0.144 0.196 0.406 0.103- 0.110- 0.166-				0.040-	0.157			0.111-
2321.04						0.076-		0.113-
2861.04  0.025  0.157  0.035- 0.217  0.105- 0.063- 0.178- 3401.04  0.039  0.176  0.022- 0.12- 0.085- 0.186- 3341.04  0.060  0.189  0.003  0.267  0.135- 0.102- 0.213- 4481.04  0.070  0.198  0.003  0.267  0.12- 0.112- 0.207- 4990.80  0.047  0.200  0.014- 0.21  0.122- 0.106- 0.223- 5007.00  0.194  0.185  0.084  0.266  0.12- 0.135- 0.214- 5023.20  0.218  0.187  0.110  0.270  0.112- 0.135- 0.214- 5038.00  0.237  0.179  0.097  0.585- 0.12- 0.135- 0.206- 5055.60  0.255  0.170  0.124  0.37- 0.15- 0.127- 0.197- 5071.80  0.265  0.1168  0.128  0.39- 0.112- 0.125- 0.204- 5088.00  0.290  0.168  0.128  0.39- 0.112- 0.125- 0.204- 5136.60  0.322  0.155  0.188  0.38- 0.087- 0.112- 0.178- 5136.60  0.322  0.155  0.188  0.38- 0.087- 0.119- 0.178- 5136.60  0.322  0.155  0.188  0.38- 0.087- 0.119- 0.178- 5136.60  0.322  0.155  0.188  0.38- 0.087- 0.119- 0.178- 5136.60  0.322  0.155  0.188  0.38- 0.087- 0.119- 0.178- 5136.60  0.322  0.155  0.188  0.38- 0.087- 0.119- 0.178- 5136.60  0.322  0.155  0.188  0.38- 0.087- 0.119- 0.178- 5136.60  0.322  0.155  0.188  0.38- 0.087- 0.119- 0.178- 5136.60  0.322  0.155  0.188  0.38- 0.087- 0.119- 0.178- 5136.60  0.322  0.155  0.188  0.38- 0.087- 0.119- 0.178- 5136.60  0.334  0.1153  0.178  0.55- 0.099- 0.114- 0.186- 5136.60  0.355  0.144  0.192  0.099- 0.114- 0.186- 5136.60  0.365  0.144  0.195  0.099- 0.108- 0.179- 51227.60  0.365  0.144  0.195  0.099- 0.108- 0.179- 51233.80  0.369  0.1140  0.190  0.00- 0.091- 0.112- 0.186- 516.79  SHIMONO 6/19/62							0.044-	0.122-
3401.04	2321.04	0.013	0.118	0.029-	0.170	0.082-	0.050-	0.116-
3401.04	2861 06	0 025	0-1157	0.075	0.012		0.047	
3941.04								
0.047 0.200 0.014- 0.21 0.12- 0.106- 0.223- 0.007.00 0.194 0.185 0.084 0.26 0.12- 0.135- 0.216- 0.023.20 0.218 0.187 0.110 0.20 0.12- 0.135- 0.206- 0.039.40 0.237 0.179 0.097 0.585- 0.12- 0.135- 0.206- 0.055.60 0.255 0.170 0.124 0.15- 0.125- 0.127- 0.197- 0.071.80 0.265 0.168 0.128 0.39- 0.11- 0.125- 0.204- 0.088.00 0.290 0.164 0.138 0.39- 0.114- 0.119- 0.193- 0.104.20 0.296 0.161 0.175 0.45- 0.093- 0.121- 0.176- 0.136.60 0.308 0.159 0.166 0.40- 0.105- 0.118- 0.192- 0.155.80 0.334 0.1153 0.178 0.45- 0.087- 0.119- 0.176- 0.169.00 0.336 0.1142 0.176 0.40- 0.099- 0.114- 0.186- 0.169.00 0.336 0.1142 0.176 0.40- 0.099- 0.114- 0.186- 0.127.60 0.365 0.144 0.192 0.190 0.099- 0.114- 0.186- 0.128.00 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.179- 0.129.01.40 0.351 0.140 0.190 0.100- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.112- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.114- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.114- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.114- 0.186- 0.1201.40 0.365 0.144 0.195 0.00- 0.099- 0.114- 0.186-					0.242	0.112-		
0.047 0.200 0.014- 0.21 0.12- 0.106- 0.223- 0.007.00 0.194 0.1185 0.084 0.26 0.124- 0.123- 0.216- 0.023.20 0.218 0.1187 0.1110 0.20 0.12- 0.135- 0.214- 0.039.40 0.237 0.1179 0.097 0.585- 0.2- 0.135- 0.206- 0.055.60 0.255 0.170 0.124 0.585- 0.12- 0.125- 0.127- 0.071.80 0.265 0.168 0.128 0.59- 0.12- 0.125- 0.204- 0.088.00 0.290 0.164 0.138 0.391- 0.114- 0.119- 0.193- 0.104.20 0.296 0.161 0.175 0.55- 0.093- 0.121- 0.178- 0.120.40 0.308 0.159 0.166 0.105- 0.118- 0.192- 0.136.60 0.322 0.155 0.188 0.48- 0.087- 0.119- 0.176- 0.152.80 0.334 0.1153 0.178 0.55- 0.087- 0.119- 0.176- 0.181- 0.185.20 0.347 0.1144 0.192 0.176 0.107- 0.112- 0.179- 0.181- 0.1069.00 0.351 0.144 0.192 0.190 0.099- 0.114- 0.186- 0.1217.60 0.365 0.144 0.192 0.190 0.099- 0.114- 0.186- 0.12217.60 0.365 0.144 0.195 0.004 0.103- 0.110- 0.186- 0.124 0.179- 0.108- 0.79- 0.125 0.144 0.195 0.004 0.103- 0.110- 0.186- 0.126 0.11/2					0.222	0 174		
5007.00 0.194 0.185 0.084 0.260 0.124 0.123 0.216- 5023.20 0.218 0.1187 0.110 0.70 0.112 0.135 0.214- 5039.40 0.237 0.1179 0.097 0.385 0.12 0.135 0.206- 5055.60 0.255 0.170 0.124 0.37 0.105 0.127 0.197- 5071.80 0.265 0.168 0.128 0.39 0.114 0.125 0.204- 5088.00 0.290 0.164 0.138 0.591 0.114 0.119 0.193- 5104.20 0.296 0.1161 0.175 0.45 0.093 0.121 0.178- 5120.40 0.308 0.159 0.166 0.105 0.118 0.192- 5136.60 0.322 0.155 0.188 0.18 0.087 0.119 0.176- 5152.80 0.334 0.1153 0.178 0.10 0.107 0.112 0.176- 5169.00 0.336 0.1142 0.176 0.404 0.107 0.112 0.179- 5185.20 0.347 0.1144 0.192 0.176 0.107 0.112 0.179- 5185.20 0.347 0.1144 0.192 0.099 0.114 0.186- 5201.40 0.351 0.1140 0.190 0.099 0.114 0.186- 5201.40 0.351 0.1140 0.190 0.099 0.108 0.179- 5233.80 0.369 0.1140 0.195 0.08 0.109 0.108 0.179- 5233.80 0.369 0.1140 0.206 0.09 0.103 0.110 0.186-  CORRUGATED SHEAR WEB PANEL  EWA NO. 05652 SPEC. 0201  COND. NO. 01 RUN 01  THE BOEING COMPANY  FAGE  FIG. 175								
0.233.20							0.100-	0.225
0.233.20	5007.00	0.194	0.185	0.084	0.266	0.124-	0.123-	0.216-
0.039.40			0.1187	0.110			0.135-	0.214-
0.071.80					0.385		0.135-	0.206-
5088.00 0.290 0.164 0.138 0.31- 0.114- 0.119- 0.193- 5104.20 0.296 0.161 0.175 0.55 0.093- 0.121- 0.178- 5120.40 0.308 0.159 0.166 0.40-4 0.105- 0.118- 0.192- 5136.60 0.322 0.155 0.188 0.48- 0.087- 0.119- 0.176- 5152.80 0.334 0.1153 0.178 0.55 0.110- 0.110- 0.181- 5169.00 0.336 0.142 0.176 0.40-4 0.107- 0.112- 0.179- 5185.20 0.347 0.144 0.192 0.40- 0.099- 0.114- 0.186- 5201.40 0.351 0.144 0.192 0.40- 0.091- 0.112- 0.169- 5217.60 0.365 0.144 0.195 0.40+ 0.109- 0.108- 0.179- 5233.80 0.369 0.140 0.206 0.40+ 0.103- 0.110- 0.186-  FACC 06/11/2 REVISED DATE EWA NO. 05652 SPEC. 0201 FOR SHIMONO 6/19/62 EWA NO. 05652 SPEC. 0201 FOR SHIMONO 6/19/62 THE BOEING COMPANY  FAGE FOR SHIMONO 6/19/62 THE BOEING COMPANY  FAGE FIG. 175								0.197-
0.104.20 0.296 0.1161 0.175 0.093- 0.121- 0.178- 0.120.40 0.308 0.159 0.166 0.40- 0.105- 0.118- 0.192- 0.136.60 0.322 0.155 0.188 0.48- 0.087- 0.119- 0.176- 0.152.80 0.334 0.1153 0.178 0.5- 0.110- 0.116- 0.181- 0.169.00 0.336 0.1142 0.176 0.107- 0.112- 0.179- 0.185.20 0.347 0.1144 0.192 0.099- 0.114- 0.186- 0.201.40 0.351 0.1140 0.190 0.099- 0.114- 0.186- 0.217.60 0.365 0.144 0.195 0.099- 0.108- 0.179- 0.233.80 0.369 0.1140 0.206 0.109- 0.108- 0.179- 0.233.80 0.369 0.1140 0.206 0.103- 0.110- 0.186- 0.169.00 0.103- 0.110- 0.186- 0.179- 0.103- 0.109- 0.108- 0.109- 0.108- 0.179- 0.186- 0.179- 0.103- 0.109- 0.108- 0.109- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.109- 0.108- 0.179- 0.186- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.186- 0.179- 0.103- 0.110- 0.110- 0.186- 0.179- 0.103- 0.110- 0.110- 0.186- 0.179- 0.103- 0.110- 0.110- 0.186- 0.179- 0.103- 0.110- 0.110- 0.186- 0.179- 0.103- 0.110- 0.110- 0.110- 0.186- 0.179- 0.103- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110- 0.110-	5071.80	0.265	0.1168	0.128	0-393-	0.112	0.125-	0.204-
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185.20	5169.00	0.336	0.1142	0.176	o ludu-list	0.107-	0.112-	0.179-
10   10   10   10   10   10   10   10	5185.20							0.186-
10   10   10   10   10   10   10   10	5201.40							0.169-
CORRUGATED SHEAR WEB PANEL   5-652	5217.60				9.404	0.109-	0.108-	0.179-
HECK EGBERT 6/3/62 CORRUGATED SHEAR WEB PANEL  SHIMONO 6/19/62 EWA NO. 05652 SPEC. 0201  COND. NO. 01 RUN 01  THE BOEING COMPANY  PAGE  F16. 175	5233.80	0.369	0-1140	0.206	0.408-	0.103-	0.110-	0.186-
HECK EGBERT 6/3/62 CORRUGATED SHEAR WEB PANEL  SHIMONO 6/19/62 EWA NO. 05652 SPEC. 0201  COND. NO. 01 RUN 01  THE BOEING COMPANY  PAGE  F16. 175	nic O	11/4	REVISED DA	TE				ELIA
EWA NO. 05652 SPEC. 0201  COND. NO. 01  THE BOEING COMPANY  PAGE  FIG. 175					TED CHEAD	MED DANC	:1	i i
COND. NO. 01 RUN 01 D2-80081  THE BOEING COMPANY  PAGE  F16. 175								7-626
THE BOEING COMPANY  PAGE  PAGE  F16. 175								02 02-01
PAGE- ONTRACT NO. FIG. 175	APR Clo	en 6/20/2		- VV!IV!			<u> </u>	-DK-80081
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SEC.			******	INCHES-		0-00	D-07
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5250.00	0.373	01136	0.214	0.409-	0.112-	. 0.108-	0.186
5266.20	0.379	0.1134	0.220	0.404-	0.110-	0.108-	
5282.40	01383	0.131	0.223	0.408-	0.087-	0.110-	
5298.60	0.393	0.1133	0.237	0.41	0.110-	0.110-	
5314.80	0.408	0.131	0.249	0.413	0.065-		
			00247	0.413	0.005-	0.102-	0.157
5331700	0.414	0.129	0.244	0.4154	0.114-	0 100	
5347.20	0.418	0.1127	0.266	0.00	0.087-	0.100-	0.179
5363:10	0.428	0.121	0.292	0.419-	0.072-	0.104-	0.181
5379.60	0.436	0.121	0.270	0,42		0.104-	0.178
5395.80	0.444	0.118	0.282		0.099-	0.102-	0.178
		••••	0.202	0.419-	0.087-	0.094-	0.176
5411.46	0.448	0.116	0.275	9.424	0.001		
5427.66	04458	0.112	0.280		0.091-	0.098-	0.183-
5443.32	0.454	0.112		07456-	0.089-	0.090-	0.181-
5459.52	04465	0.110	0.296	0.980-	0.070-	0.092-	0.185-
475.18	0.471	0.1106	0.301	0,432-	0.105-	0.094-	0.176-
	0.411	0.100	0.299	0.430-	0.095-	0.092-	0.183-
490.84	0.469	0.104	0.304				
506.50	0.469		0.306	D445BC	0.089-	0.090-	0.192-
522.70		0.108	0.298	0.43/3-	0.086-	0.089-	0.169-
538.36	0.469	0.108	0.296	0.424-	0.099-	0.092-	0.174-
	0.471	0.108	0.280	0,43%-	0.091-	0.094-	0.181-
554.02	0.481	0.108	0.304	0.4344	0.091-	0.089-	0.178-
£70 00							
570.22	0.485	0.104	0.323	0.430-	0.107-	0.094-	0.167-
586.42	0.497	0.101	0.323	0.441-	0.091-	0.089-	0.181-
602.62	0.491	0.103	0.323	0.150-	0.091-	0.085-	0.179-
618.82	0.501	0.104	0.330	0/444-	0.091-	0.083-	0.171-
635.02	0.518	0.106	0.351	7.447-	0.086-	0.079-	0.176-
					0.000	0.019-	0.176-
651.22	0 4 5 3 2	0.101	0.358	0.4564	0.087-	0.073-	0.178-
667.42	0.538	0.099	0.379	0 454-	0.068-	0.071-	
683.62	0.556	0.104	0.384	0. 58-	0.082-	0.071-	0.178-
699.82	0.572	0.099	0.401	0.450-			0.169-
716.02	0.585	0.118	0.401	0.460-	0.080-	0.069-	0.171-
	00303	<b>V</b>	0	0.40U-	0.082-	0.071-	0.169-
732.22	0.611	0.118	EL CO	W-128-W-2	0.007		
748.42	0.631	0.118	PAED	0.458	0.087-	0.067-	0.167-
764.62			SEL SEL	0.475-	0.074-	0.065-	0.158-
80.82	0.638	0.121	2 to	0.987-	0.082-	0.069-	0.186-
	0 4 6 6 2	0.288-	C KX	0.4473-	0.082-	0.063-	0.176-
797.02	0.697	0.276-	0 11	4.471-	0.087-	0.067-	0.171-
111 20	2	A !	Q Q 3	,			
313.22	0.699	0.276-	73	Q.4754	0.078-	0.069-	0.162-
329.42	0.727	0.272-	ED/ NT.	0 48/6-	0.074-	0.063-	0.144-
345.62	0.784	0.1276-	* U \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0.3491-	0.065-	0.056-	0.167-
861.82	0.786	0.1264-	HEL	0 454-	0.074-	0.056-	0.175-
		0.250-	OITW	0.47 1-	0.078-	0.050-	0.174-
		REVISED DA	77				V = 11 7
178.02		i deviren i na	TE				EWA
	1/2	KEA12ED DW					
178•02 1c 06/1		KEVISED DA	CORRUGA	TED SHEAR	WEB PANEL		1
178.02 LC 06/1	BT 6/12/67	KEVISED	CORRUGA EWA NO	TED SHEAR			5-653
178.02 10 06/1 10 EG/25 10 SHIMO	NO 6/19/62	KEVISED DA	EWA NO	05652	SPE	C. 0201	5-653
178.02 LC 06/1	NO 6/19/62	KEVISED DA	EWA NO	NO. 01	SPE RUN		
178.02 10 06/1 10 EG/25 10 SHIMO	NO 6/19/62	REVISED DA	EWA NO	NO. 01	SPE	C. 0201	5-652 DZ-80081
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CX. EGRENT 6/18/67 CORRUGATED SHEAR WEB PANEL SHIMONO 6/19/62 EWA NO. 05652 SPEC. 0201						1		-		, , ,
TIPE 0-08 SEC. INCHES POUNDS  .33 0.009- 7.59787 0.005- 15.19  .33.27 0.005- 75.97  .64.67 0.005- 37.98  .69.07 0.005- 106.4  .62.87 0.005- 53.18  .62.87 0.005- 37.98  .221.67 0.001- 15.19  .221.67 0.001- 15.19  .221.67 0.007- 53.18  .322.67 0.005- 7.597  .357.27 0.009- 37.98  .322.67 0.005- 7.597  .357.27 0.009- 37.98  .369.67 0.005- 7.597  .422.07 0.010- 30.39  .454.47 0.007- 7.597486.67 0.009- 37.98  .519.27 0.007- 37.98  .519.27 0.007- 37.98  .519.27 0.007- 37.98  .519.27 0.007- 37.98  .519.27 0.007- 7.597  .486.87 0.009- 30.39  .454.47 0.007- 7.597  .486.87 0.009- 30.39  .544.07 0.009- 30.39  .544.07 0.009- 30.39  .551.67 0.009- 30.39  .548.47 0.009- 30.39  .551.67 0.014- 22.79  .681.27 0.012- 0.000  .77.597  .786.47 0.014- 7.597  .786.47 0.014- 7.597  .786.47 0.014- 7.597  .786.47 0.018- 15.19787.67 0.018- 7.597  .787.67 0.018- 7.597  .788.00 0.032- 7.597  .797.00 0.000 0.032- 22.79  .797.000 0.032- 22.79  .797.000 0.032- 22.79  .797.000 0.032- 22.79  .797.000 0.032- 22.79  .797.000 0.032- 22.79  .797.000 0.032- 22.79  .797.000 0.032- 22.79  .797.000 0.032- 22.79  .797.000 0.032- 22.79  .797.000 0.032- 22.79  .797.000 0.032- 22.79  .798.000 0.032- 22.79  .798.000 0.032- 22.79  .798.000 0.032- 22.79  .798.000 0.032- 22.79  .798.000 0.032- 22.79  .798.000 0.032- 22.79  .799.000 0.032- 22.79  .799.000 0.032- 22.79  .799.000 0.032- 22.79  .790.000 0.032- 22.79  .790.000 0.032- 22.79  .790.000 0.032- 22.79  .790.000 0.032- 22.79  .790.000 0.032- 22.79  .790.000 0.032- 22.79  .790.000 0.032- 22.79  .790.0000 0.032- 22.79  .790.0000 0.032- 22.79  .790.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.0000 0.032- 30.00000 0.032- 30.00000 0.032- 30.00000 0.			1//				THE BOEIN			1
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THE D-08 SEC. INCHES POUNDS  1264.80 0.030- 1297.20 0.032- 1329.60 01038- 1329.60 0.038- 1394.40 0.038- 15.19-  1426.80 0.041- 37.98 1459.20 0.038- 1491.60 0.041- 37.98- 1524.00 0.045- 1524.00 0.045- 1526.62 0.047-  2065.62 0.054- 30.39-				2					٠.	10.00		
THE D-08 SEC. INCHES POUNDS  1264.80 0.030- 1297.20 0.032- 1329.60 0.038- 1362.00 0.038- 1394.40 0.038- 15.19-  1426.80 0.041- 1459.20 0.038- 1491.60 0.041- 37.98- 1524.00 0.045- 1526.62 0.047- 37.98-				•			,	t ."	1	* . 1		
THE D-08 L-01 POUNDS  1264.80 0.030- 0.000 1297.20 0.032- 15.19 7.597- 1362.00 0.038- 15.19- 1394.40 0.038- 15.19- 1426.80 0.041- 37.98 1459.20 0.038- 0.000 1491.60 0.041- 37.98- 1524.00 0.045- 15.19-	1			: .		31.448-		1 ,5	•	. ,	_	
THE D-08 L-01 POUNDS  1264-80 0.030- 0.000 1297-20 0.032- 15.19 1329.60 0.038- 15.19- 1362.00 0.038- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19-			- • • •		٠					ı	,	
THE D-08 L-01 POUNDS  1264.80 0.030- 0.000 15.19 1329.60 0.038- 7.597- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 15.19- 1426.80 0.041- 37.98 1459.20 0.038- 0.000				,	•	37.98-		. , ,4		1.	5 1 %.	
TIME D-08 SEC. INCHES POUNDS  1264.80 0.030- 1297.20 0.032- 1329.60 0.038- 1362.00 0.038- 1394.40 0.038- 15.19- 11.24.80 0.038- 15.19-		1459.20	01038-	Ţ.	d .		*			* *	, '	
THE D-08 L-01 SEC. INCHES POUNDS  1264.80 0.030- 0.000 1297.20 0.032- 15.19 1329.60 0.038- 7.597- 1362.00 0.038- 15.19- 15.19- 15.19- 15.19-		1426.80	0.041-	**	1			1.0		1.	* * * *	
THE D-08 L-01 SEC. INCHES POUNDS.  1264.80 0.030- 0.000 1297.20 0.032- 15.19 1329.60 0.038- 7.597- 1362.00 0.038- 15.19-	-	1394.40	0.038-	*,	7,						. ·	
TAME D-08 SEC. INCHES POUNDS  1264.80 0.030- 0.000 1297.20 0.032- 15.19		1362.00	0.038-									
TIME D-08 L-01 SEC. INCHES POUNDS.		1329.40			•		•			7	;	
TIME 0-08 L-01		1264.80	0.030-					*			٠.,	
TEME D-08 L-01					•	POUNDS	, ,	•				
						L-01			•			
		7.446			٠.	2-4						
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	1-4	2-4	
TIME	D-08	L-01	•
SEC.	INCHES	POUNDS	
5250.00		2659.	
5266.20		2803.	
5282.40		2864.	
5298.60 5314.80		2993.	
3314.80	0.034-	3160.	
5331.00	0.034-	3259.	
5347.20		3358.	
5363.40	0+025-	3532.	
5379.60		3677.	
5395.80	0.025-	3753.	
5411.46	0.018-	3836.	
5427.66		3958.	•
5443.32		4125.	
5459.52		4216.	
5475.18		4193.	
5490.84	0.012-	4163.	
5506.50		4178.	
5522.70	0.012-	4140.	
5538.36	0.009-	4117.	
3334.02	0.009-	4269.	
570.22	0.001-	4414.	
586.42	0.001-	4497.	
602.62	0 4 00 1-	4619.	
618.82	04007	4809.	
635.02	0.007	5029.	
651.22	0.014	5233. 🗸	
667.42	0.017	5476.	
683.62	0.019	5559.	
699.82	0.023	5688.	
716.02	0.021	5620.	
732.22	0.025	5771.	
748.42	0.023	5710.	
764.62	0.025	5650.	
780.82	0.025	5771.UH	
797.02	0.016	5657.	
017 00	0.010	5700	
813.22 829.42	0.014 0.016	5392. 5612.	
845.62	0.010	5718.	
861.82	0.005	5014.	
878.02	0.010	4892.	
rc 06	/11/4 TI	REVISED DATE	pr 1 1 1 2 3
	/11/2	CORRUGATED SHEAR WEB PANEL	5-658
	BERT 6/18/67	EWA NO. 05652 SPEC. 0201	37676
	MONO 6/19/62	COND. NO. 01 RUN 01	
R Cl	ofre- 6/20/2	THE BOEING COMPANY	02-8601
			PAGE.
NITDACT NO			FIG. 18
NTRACT NO			110.10

: 197

PROPER BUSINGS FORMS

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-A E

1-4 0-08 TAME SEC. INCHES

5890.98 0.121-

113.9-

POUNDS

2-4 L-01

REVISED DATE CALC 06/11/2 EWA CHECK OF EGBERT CORRUGATED SHEAR WEB PANEL 5-652 EWA NO. 05652 SPEC. 0201 COND. NO. 01 APR RUN 01 D2-80081 THE BOEING COMPANY PAGE CONTRACT NO. F16.181 U6 5553 7450

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## TEMPERATURES, DEFLECTIONS & LOADS

*THERMOCOUPLE DATA (SEE FIG. 5 FOR LOCATIONS)	FIGURE NO.
T-01, T-02, T-03, T-04, T-05, T-06, T-07 T-08, T-09, T-10, T-11, T-12, T-13, T-14 T-15, T-16, T-17, T-18, T-19, T-20, T-21 T-22, T-23, T-24, T-25, T-26, T-27, T-29 T-30, T-31, T-32, T-33, T-34, T-35, T-36 T-37, T-44, T-45 T-44, T-45 T-38, T-39, T-40, T-41	<ul> <li>186-188</li> <li>189-191</li> <li>192-194</li> <li>195-197</li> <li>198-200</li> <li>201-203</li> </ul>
	• 204-206
APPROVED BY K.E. Dancy E. J. Shlenfeldt RADIAN	T HEAT LAB.
*DEFLECTION DATA AND LOAD (SEE FIG. 16FOR LOCATIONS)	
	FIGURE NO.
D-01, D-02, D-03, D-04, D-05, D-06, D-07 D-08 L-01	207 <b>-</b> 209
•	
TOLERANCES: THERMOCOUPLES = ± 45°F	
EDI'S	
(ALL DEFLECTIONS) = ± 0.005 inches	
$L=01 = \pm 50$ pounds	
APPROVED BY Mary Close 15/52 INSTRUMENT	ATION LAB.

*TEMPERATURES IN °F
*DEFLECTIONS IN INCHES
*LOADS IN POUNDS

CALC	STOPP	6/25/2	REVISED	DATE	CORRUGATED SHEAR WEB PANEL	EWA 5-652
CHECK					EWA NO. 5-652 SPEC. 0301 COND. NO. 01 RUN 01	D2-80081
APPD					THE BOEING COMPANY	PAGE FIG. 182

U3 4036 3000

REQ 10388

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CY.

TIME SEC.	3-2 T-01	4-2 1-02	T-03		3-3 T-05 ENHEIT	T-06	7-3 T-07
. 33	88.91	86.73	86.73	92.16		78.55	76.1
.87	91.56	84.09	89.36	92.16	86.50	78.55	78.8
33.27	91.56	76.03	86.73	92.16	86.50	81.25	78.8
65.67 98.07	88.91 91.56	78.77 76.03	89.36 86.73	92.16	89.15	83.89	
70401	718.30	10.03	, 00.13	72410	86.50	81.25	78.89
130.47	91.56	81.45	92.00	97.42	123.5	-113.0	105.
162.87	107.5	86.73	97.27	107.9	160.5	128.8	118.4
195.27	120.8	115.7		123.7			142.
227.67	136.7 155.3	136.8	139.5			205.2	
200.01	100.0	160.5	163.1	186.6	284.2	239.4	194.
292.47	176.4	189.3	. 191.9	220.5		. 278.8	238.9
324.87	192.2		226.0	265.0	385.2	327.8	289.0
357.27	202.8	246.9	254.8	294.2	393.4		274.4
389.67	221.3	270.5	281.0	334.9	435.7		302.5
422.07	245.0	291.9.	310.9	. 370.1	427.8	330.5	262.5
454.47	260.9	319.1	338.1	394.5	451.5	355.1	245
486.87	279.3	338.1	368.0	428.7		379.6	265. 1 291. 1
519.27	301.2	362.6	400.6		533.1	401.4	308.0
521.97	301.2	357.2	400.6		533.1	406.6	310.7
317.26	473.8	476.7	497.7		344.3	231.5	215.4
857.26	505.6	h 0 0 0	1.00		j, 4 ***		
397.26	500.3	489.8 474.1	492.4	481.1 462.7	417.3	308.7	259.9
281.60	502.9	479.3	479.3	468.0	374.3 363.4	286.9 286.9	255.1
314.00	524.1	487.2	479.3	468.0	398.8	341.4	238.9 297.1
346.40	537.3	505.6	489.8	478.4	433.1	363.3	299.8
770 00	C 71 7	Ch. 1	F16 6	1010			
378.80 411.20	574.3 595.4	544.9	510.8	496.8	480.5	419.8	362.3
	621.8	573.8 615.7	531.8	520.3	488.4	430.3	354.1
476.00	640.3	626.2	555.4 584.3	538.6 562.2	512.1	440.8	373.1
508.40	648.3	642.0	605.2	585.7	538.4 53 <b>5.</b> 8	461.9 446.1	378.5 373.1
	0.045	U 17. U	003.42	30341	33340	74041	212.1
540.80	677.3	662.9	626.2	604.0	564.7	488.2	418.6
562.94	687.9	678.7	642.0	624.9	575.3	493.5	410.7
102.94	972.2	935.6	940.7	925.9	810.4	704.0	541.7
642.94	1042.	991.7	971.3	925.9	871.8	779.4	646.5
937.78	1055.	976.4	958.6	905.6	807.9	732.9	591.5
970.18	1073.	986.6	961.1	903.0	810.4	753.9	638.6
002-58	1104.	1020.	973.8		830.9	792.2	672.6
034.98	1141.	1072.	1038.	1002.	1013.	948.2	781.7
067.38	1164.	1110.	1077.	1046.	963.9	897.0	746.0
099.78	1196.	1136.	1116.	1077.	1041.	961.0	812.3
rc 06/	16/2	REVISED DAT	E				EWA
		1	CORRUGA	ATED SHEAR	WEB PANE	-	1
	RT 6/19/62			05652		EC. 0301	5-652
(1)	ONO 6/20/62			NO. 01		IN 01	02-8008
R' Clot	Mar 6/20/2	<del>  </del>		THE BOEI	NG COMPANY		
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,	IME EC.	3-2 T-01	4-2 T-02	7-2 7-03	8-2 T-04	3-3 1-05	4-3 T-06	7-3 1-07
				-040	MEES PANK	CAUFTI		
	2.18	1227.	1172.	1149.	1116.	10674	991.6	845.
	1.58	1250.	1193.	1177.	1149.	1085.	1025.	870.
	98	1245.	1196.	1198.	1175.	1096.	1017.	868.
	38	1237.	1206.	1216.	1190.	1101.	1023.	875.
2201	.78	1253.	1211.	1232.	1216.	1124.	1043.	883.
5294	. 18	1284.	1239.	1255.	1237.	11/0		
5326	. 58	1305.	1260.	1283.		1160.		926.
5358		1346.	1296.	1309.	12104	1295.		1029
5380	• 58	1367.	1314.	1325.	1306	1212.	1131.	980.
5650	<b>.</b> 58	1484.	1400.	1425.	1383.	1215. 1311.	1131. 1209.	935. 1073
5682	0.0	1606		1			1207	1013
5715		1505. 1546.	1410.	1430.	1391.			. 1111
5747		1584.	, 1451.		1422.		1287.	1155
5780		1621.	1482.	1490.	1448.	1391.	1315.	1184
5812		1648.	1519.		1473.	1417.	1315.	1212
		10404	1556.	1551.	1502.	1432.	1367.	1246
5844		1683.	1586.	1575.	1520.	1469.	1408	1294
5877		1716.	1613.	1605.	1555.	1500.	1436	1331
5909.		1742.	1634.	1631.	1579.		1458.	
5942.		1750.	1653.	1648.			1447.	
5974.	58	1750.	1648.	1656.			1434	
5006.	98	1759.	1650.	1445	1.400			
5039		1759.	1653.	1664. 1669.	1609.	1532.	1471.	1356
5071.		1753.	1653.	1664.	1619.	1545.	1471.	1364.
5104.		1756.	1639.	1658.	1606. 1603.	1519.	1450.	1349.
5136.		1761.	1642.	1656.	1601.	1519. 1519.	1455. 1453.	1349. 1349.
	0.0					(3),,	14334	13470
5168.		1770.		1658.		1505.	1447.	1341.
201.		1773.	1650.	1658.	1603.	1511.	1453.	1351.
233.		1773.	1656.	1658.	1598.	1513.	1447.	1351.
266.		1773.	1650.	1658.	1601.	1511.	1455.	1356.
298.	38	1775.	1648,	1661.	1595.	1519 _*	1440.	1349.
330.	98	1775.	1653.	1664.	1598.	1516.	12:1:7	1251
363%		1775.	1648.	1661.	1595.	1511.	1447. 1450.	1351.
395.	78	1773.	1650.	1664.	1598.	1513.	1450.	1362.
428,		1773.	1645.	1664.	1601.	1511.	1458.	1356.
460.		1778.	1648.	1666.	1601.	1540.	1468.	1367. 1385.
470.	Q Is	1775	121.0	1440	140:			
487.		1773.	1648.	1669.	1606.	1535.	1465.	1362.
503.		1773.	1648.	1666.	1611.	1540.	1478.	1377.
519.		1773.	1650. 1648.	1669.	1614.	1543.	1465.	1364,
535.		1773.	1648.	1669. 1666.	1611.	1535.	1465.	1359.
· ·	7		10404	10004	1609.	1535.	1460.	1356.
rc	06/1	6/2	REVISED DATE					EWA
ECK	FEBER	T 6/19/2		CORRUGA	TED SHEAR			5-652
	SHIMOS			EWA NO	. 05652	SP	EC. 0301	
	Cobe			COND.	NO. 01	RU:	101	D2-8008.
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		3-2	4-2	7-2	8-2	3-3	4-3	7-3
	TIME	T-01	T-02	T-03	T-04	T-05	T-06	1-07
	SEC.		********	DE(	GREES FAHR	RENHEIT	••••••	
	6551.84		1650.	1666.	1609.	1529.	1465.	1359.
	6568.04	1764.	1648.	1664.	1611.	1519.	1453.	1359.
	6584.24		1648.	1664.	1611.	1527.	1465.	1369.
	6600.44		1648.	1664.	1614.	1529.	1405.	1356.
	6616.64	1773.	1650.	1664.	1609.	1535.	1465.	1364.
	6632.84	1770	1464	• 4 4 4				
	6649.04			1664.	1609.	1529.	1468.	1382
	6665.24	1775.	1650.	1669.	1614.	1535.	1468.	1380.
		1775.	1648.	1666.	1614.	1532.	1468.	1369.
	6681.44	1775.		1666.	1606.	1527.	1468.	1356.
	6697.64	1770.	1650.	1666.	1609.	1529.	1471.	1374.
٠,	6713.84	1773.	1656.	1666.	1611.	1535.	1471.	1382.
	6730.04	1775.	.1653.	1664.	1611.	1529.	1465.	1367.
	6746.24	1773.	1653.	1664.	1611.	1529.	1465.	1362.
	6762.44	1773.	1656.	1666.		1529	1458.	1367.
-	6778.64	1778.	1653.	1669.	1609.	1527.	1463.	1362.
		•			, , ,	13210	14031	1302
	6794.84	1773.	1650.	1666.	1611.	1521.	1468.	1372.
	6811.04	1773.	1656.	1666.	1611.	1529.	1440.	1349.
	6827.24	1773.	1664.	1664.	1609.	1524.	1458.	1356.
- 1	6843.44	1773.	1656.	1666.		1524.	1455.	1351.
	6859.64	1773.	1656.	1664.	1609.	1527.	1463.	1362.
	1075 05		• • • •					
	6875 84	1773.	1656.	1664.	1611.		1468.	1364.
- 1	6892.04	1773.	1656.	1664.	1606.	1521.	1463.	1359.
- 3	6908.24	1773.	1656.	1664.			1455.	
- 1	6924.44	1773.	1658.	1664.		1524.	1463.	1364.
1	6940.64	1773.	1653.	1664.	1609.	1521.	1455.	1343.
j	6956.84	1773.	1656.	1661.	1606.	1516.	1450.	1351.
1	6973.04	1770.	1656.	1661.	1606.	1513.	1447.	1336.
	6989.24	1773.	1666.	1661.	1603.	1519.	1450.	1346.
- 1	7005.44	1773.	1656.	1658.	1606.	1524	1458.	1369.
	7021.64	1775.	1656.	1661.	1603.	1516.	1450.	1346.
	•						14.50	1340.
	7037.84	1781.	1658.	1664.	1606.	1521.	1455.	1356.
	7054.04	1778.	1658.	1666.	1606.	1519.	1455.	1364.
	7070.24	1781.	1656.	1666.	1609.	1521.	1447.	1351.
	7626.44	1016.	899.9	971.3	943.7	772.1	630.3	436.7
18	3166,44	542.6	500.3	537.0	509.8	273.6	155.3	139.5
	<del>. 00</del>	-245-0	<del>*199.8-</del>	<del>+241.9</del>	* <del>236.9</del>	*144.7	- 0.7 0.1	
	. • 00		~ 1 / / • ()	464147	* 2JU • 7	*14437	*97.04	*71.51
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CALC	06/16/2	REVISED	DATE	,	EWA
CHECK	EGBERT 6/19/62	,		CORRUGATED SHEAR WER PAVEL	5-652
APR	SHIMONO 6/29/62			T EWA NO. 05652 SPEC. 0301 COND. NO. 01 RUN 01	
APR	Clober 6/20/2				102-8008
	7:92			THE BOEING COMPANY	PAGE#
CONTRA	CT NO.				FIG. 185

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202

	ME C.	8-3 1-08	3-4 T-09	4-4 T-10 DEG	7-4 T-11 REES FAHRE	8-4 T-12 NHEIT	3-5 1-13	1
	• 33	76.35	78.58	78.59	76.08	76.19	67.41	
	.87	79.08	78.58	78.59	78.82	76.19	78.42	
	.27	79.08	78.58	78.59	78.82	76.19	78.42	•
	• 67	79.08	78.58	75.85	76.08	78.92	75.67	
96	.07	79.08	78.58	78.59	76.08	76.19	75.67	
	747	94.86	81.28	75.85	78.82	78.92	78.42	
162	87	102.7 118.5	83.92	81.29	81.50	81.59	81.13	1
	.67	134.2	86.56 91.85	83.93 86.57	84.13	81.59 81.59		1
	.07	176.1	107.7	102.4	94.67	86.86	91.72	
292	.47	225.7	139.4	120.9	110.5	100.0	105.0	
324	.87	264.8	, 178.9	155.3	139.5	118.4	128.8	
	.27	288.6	213.0	181.5	178.8	152.6	160.5	
	•67	294.0	239.3		231.2	184.0	194.8	
.422	.07	243.9	228.8	220.9	260.0	210.1	218.4	1
454		241.3	231.4	239.3	291.8	238.9	242.1	á
486		264.8	239.3	255.1	329.9	265.0	268.5	- 3
519		277.9 280.5	247.2 247.2	273.4 273.4	365.2 367.9	286.2 291.6	292.6 295.3	
1317		267.4	286.8	308.6	340.7	288.9	295.3	2
1857	-26	291.3	327.7	333.1	351.6	307.9	317.2	
2397		313.0	305.9	341.3	376.0	340.4	341.8	3
3281		294.0	335.9	382.2	429.3	405.4	396.4	3
3314		337.3	346.8	387.6	447.7	431.5	415.0	
3346	<b>,</b> 40	356.3	368.6	422.3	492.2	489.1	451.9	3
3378		399.6	398.6	456.4	544.7	536.3		2
3411.		404.8	430.2	495.9	591.9	575.5	533.6	L
3443.		420.5	456.5		636.4	612.2		
3476. 3508.		441.4 446.6	493.3 522.3	574.8 606.3	681.0 712.4	656.7	607.4 628.5	Į
	,							5
3540.		483.2	553.8	637.9	741.3	706.4	660.1	5
3562.		485.8	572.2	653.7	759.4	724.7	681.2	5
4102. 4642.		585.1 723.6	687 <b>.9</b> 825 <b>.2</b>	716.8 804.6	774.7 787.4	735.2 688.1	712.8 718.1	(
4937.		655.6	771.5	773.9	782.3	714.3	718.1	7
4970.	. 18	739.2	799.6	799.5	810.3	753.4	744.4	7
5002	4	764.9	835.4	837.8	853.6	791.6	785.6	7
5034.	98	795.4	866.0	871.0	894.4	827.2	821.4	8
5067.			896.7	906.8	930.0	867.9	854.7	8
50994	78	830.9	929#9	942.6	970.8	901.0	890.6	8
CALC		16/2	REVISED D	ATE COOPIE	ATEN CHEAR	MCD DAL	C1 .	1
CHECK		ERT 6/19/62			ATED SHEAR 0. 05652		PEC. 0301	5.
APR		10NO 6/20/62 bin 6/20/2			NO. 01	R	UN 01	07
APR	us	1 2/20/2	,		THE BOEIN	NG COMPANY	Y	P.A
	1							FI
ONTRA	CT NO.			1				~

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TIME SEC.		T-09	T-10	T-11	T-12	3-5 T-13	4-5 T-14
356.			DEG	REES FAHRE	WHEIT	******	
5132.18	871.6	968.3	078.h	1007.	030.1	926.4	928.0
5164.58			1019.		984.9		
5196.98			1074.		1036.		
5229.38			1105.		1062.		
			1139.		1106.		
5294.18	978.2	1139.	1170.	1213.	1142.	1120.	1092.
5326.58	1045.	1165.	1201.	1244.	1175.	1154.	1126.
5358.98	1042.	1196.	1229.	1270.	1206.	1182.	1152.
5380.58	1042.	1209.	1245	1283.	1206. 1224.	1198.	1172.
5650.58	1130.	1234.	1252.	1265.	1206.	1198.	1198.
5682.98	1158.	1250.	1276.	1206	1245.	1221.	. 1214.
5715.38	1176.				1296.		1250.
5747.78			1353.		1333.		1283.
5780.18		1351.			1366.		1322.
812.58	1292.	1382.		1453.	1407.		
5844 <b>.9</b> 8	1328.	1421.	1465.	1492.	1449_	1418.	1400-
877.38	1348.			1523.	1479.	1452	1438.
5909.78	1389.			1558.	1516.	1488.	1472.
5942.18	1405.	1507.	1560.			1523.	1503.
974.58	1382.	1509.	1571.	1596.	1562.	1528.	1508.
5006.98	1389.	1509.	1571.	1588.	1553.	1526.	1506.
5039.38	1382.	1509.	1565.	1574.	1545.	1515.	1503.
5071.78	1374.	1504.	1555.	1556	1532.	1504.	1506.
5104.18	1387.	1499.	1552	1558.	1553	1510.	1495.
5136.58	1387.	1501.		1566.			1495.
5168.98	1384.	1507.	1560.	1561.	1553.	1512.	1500
201.38		1504				1515.	
233.78	1394.	1507.	1560.	1564.	1553.	1515.	1503
266.18	1387.	1504.	1560.	1566	1548.	1515.	1503.
298.58	1384.	1504.	1560.	1561.	1553.	1515.	1506.
330.98	1384.	1509.	1560.	1564.	1545.	1515.	1506.
		1509.	1563.	1564.	1551.	1515.	1503.
363:38	1394.			1561.	1545.	15154	1503.
395.78	1387.	1509.	1560.				
428.18	1389	1507.	1560.	1558.	1551.	1512.	1503.
460.58	1397.	1507.	1560.	1561.	1553.	1510.	1506.
470.84	1397.	1507.	1560.	1561.	1553.	1512.	1506.
487.04	1397.	15 12.	1560.	1566.	1548.	1518.	1508.
503.24	1394.	1515.	1565.	1566.	1548.	1515.	1508.
519.44	1379.	1509.	1560.		1548.	1515.	1506.
535.64	1387.	1509.	1560.	1566.	1556.	1515.	1508.
ALC 06	/16/2	REVISED DA	ATE COOK		V 11 PM 34 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		EWA 5-652
HECK EGE	ERT 6/19/67			ATED SHEAF			3-636
PR SHIN	10110 6/20/62			0. 05652 No. 01		PEC. 0301 JN 01	D2-8008
PR Clo	Cer 6/20/2	<del> </del>			NG COMPANY	<del></del>	7
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TIME	8-3 T-08	3-4 T-09	4-4 7-10	7-4 T-11	8-4 T-12	3-5 T-13	4~5 T~14
SEC.	***		DE	GREES FAH	RENHEIT		
6551.81	1397.	1607	1010				
6568.01		1507.	1560.	1561.		1515.	
6584.21		1504.	1560.	1558.	1545.	1512.	
6600.41		1504.	1555.	1556.	1545.	1512.	
6616.6		1512.	1560.	1561.	1545.	1515.	1508.
0010.8	1400.	1515.	1563.	1561,	1553.	1512.	1508.
6632.84	1397.	1512.	1546	1641	1553	• • • • •	
6649.04		1509.	1565. 1560.	15614	1553.	1515.	1516,
6665.24		1507.	1563.	1561.	1545.	1515.	1516.
6681.44	,	1509.	1563.	1564.	1548.	1515.	1511.
6697.64	1397.	1512	1560.	1564.	1548.	1515.	1508.
3371604	13714	13 (2 )	1300+	1564.	1548.	1518.	1508.
6713.84	1402.	1509.	1560.	1561.	1548.	1510	1500
6730.04		. 1507.	1563.	1561.	1548.	1518.	1508.
6746.24		1512.	1563.	1561.	1548.	1512.	1508.
6762.44		1517.	1565.	1566.	1548.	1515.	1511.
6778.64		1517.	1565.	1566.	1545.	1515.	1508.
		,,,,,	13034	1200	1343,	1515.	1514.
6794.84	1400.	1509.	1560.	1561.	1548.	1510.	1511.
6811.04		1517.	1563.	1561.	1545.	1510.	1514.
6827.24	1387.	1512.	1563.	1558.	1545.	1510.	1508.
6843.44		1512.	1563.		1545.	1510.	1511.
6859.64	1402.	1507.	1563.	1556.	1543.	1507.	1514
		. ,			13434	1501	1314.
6875.84		1509.	1563.	1556.	1540.	1504.	1514.
6892.04		1512.	1560.	1556.	1540.	1507.	1514.
6908.24		1512.	1560.	1556.	1543.	1504	
6924.44	1405.	1507.	1560.	1556.	1537.	1504.	1514.
6940.64	1500.	1509.	1560.	1556.	1540.	1504	1514.
	,	•				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	13111
6956.84	1394.		1560.	1550.	1540.	1501.	1514.
6973,04	1400.	1509.	1560.	1556.	1540.	1501.	1514.
0989.24	1405.	1512.	1560.	1556.	1540.	1501.	1514.
7005.44	1400.	1509.	1560.	1550.			1514.
7021.64	1405.	1509.	1560.	1550.	1537.	1499.	1514.
7037.84	1394.	1512.	1555.	1550.	1537.	1499.	1508.
7054.04	1394.	1507.	1555.	1550.	1537.	1501.	1508.
7070.24	1400.	1507.	1555.	1550.	1537.	1504.	1508.
7626.44		722.1		741.3			694.5
8166.44	212-6	417.0	485.4	539.4	483.9		432.1
- <del>+00</del> -	*110.6	*173.7	*186.9	<del>*213.2</del>	+160.4-	*179+	

CALC	06/16/2	REVISED	DATE	. ,	EWA
CHECK	EBBERT 6/19/67			CORRUGATED SHEAR WEB PANEL	5-652
APR	SHIMONO 6/20/2			EWA NO. 05652 SPEC. 0301	
APR	Clobes 6/20/2			COND. NO. 01 RUN 01	D2-80091
				THE BOEING COMPANY	PACE?
ONTRA	CT NO.				FIG. 18

1							
- 33	78.75	78.89	83.83	86.61	07 15		
.87		78.89	86.48		87.15		86.53
33.27		81.56		86.61	89.77	89.63	86.53
65.67			86.48	86.61	• •	92.25	85.53
98.07		84.19	86.48	86.61		94.85	89.17
70.01	81.43	78.89	86.48	89.25	87.15	94.88	86.53
170 17							
130.47		113.1	89.13	89.25	89.77	131.6	110.3
162.87		139.5	97.07	94.53	102.9	178.7	134.1
195.27		181.4	112.9	107.7	116.0		160.5
227.67	173.6	218.0	139.4	128.9		294.0	
260.07	226.0	254.6	163.2	152.6	168.2		
				,52.0	100.2	348.1	231.5
292.47	281.1	294.4	192.1	173.6	194.2	1.10.0	300.4
324.87	340.9	.348.7	228.9	197.2		410.0	300.5
357.27	346.3	356.8	260.5	223.5	228.1	491.0	379.6
389.67	359.9				256.7	511.9	
422.07	281.1		292.5	249.7	288.2	551.0	435.6
422.401	201.1	343.3	322.5	268.1	320.6	538.0	385.1
454.47	283.8	362.3	21.2				
486.87	313.7		347.1	289.5	353.0	566.7	393.3
519.27	330.0	402.9	374.4	311.2	388.1	616.3	433.0
		429.1	404.2		425.0	663.3	464.6
521.97	335.5	431.7	404.2	333.0	427.6	668.6	469.8
1317.26	275.8	246.8	464.8	453.8	544.9	483.1	456.7
1017 01	3.5.4.						
1857-26	316.4	321.5	438.5	477.3	503.2	509.2	440.9
2397.26	346.3	297.1	427.9	464.2	487.6	498.8	506.7
3281.60	308.3	283.5	427.9	472.0	482.3		443.5
3314.00	362.7	335.1		474.7	485.0		
3346.40	379.0	365.0	438.5	490.4	495.4		485.6
			13013	470.4	473.4	556.3	498.8
3378,80	424.3	429.1	454.3	514.1	E 1 7 /	4 1 7 7	
3411.20	421.7		472.7		513.6	647.7	551.4
3443.60	429.6	452.6		543.0	529.2	650.3	569.8
3476.00	445.3	468.3	493.8	569.3	550.1	681.6	585.6
3508.40	442.7		514.8	592.9	565.7	686.8	611.9
3300.40	446.1	460.5	533.3	608.7	581.4	679.0	617.2
3540.80	495.2		567 6	, in the -			
		505.0	557.0	627.1	602.2	726.0	643.5
3562.94	484.7	505.0		640.2	615.2	731.2	651.4
4102.94	589.6	704.1	872.1	914.0	933.0	993.2	874.1
4642.94	731-3	791.9	877.2	965.1	976.0	1075.	991.7
4937.78	865.7	722.4	866.9	970.2	963.4	988.1	904.8
		4					, , , , ,
4970.18	744.5	751.2	866.9	975.3	960.9	1021.	971.2
5002.58	775.2	781.7	872.1	998.3	971.0	1055.	
5034.98	844.1	931.9	933.5	1045.	1035.		1002.
5067.38	823.7	878.4	979.5	1081.	1068.	1168.	1041.
5099.78	877.2	949.7	1018.	1110.		1132.	1033.
307.0	W 1 1 4 6	7 7 8 1	10104	£110+	1096.	1173.	1072.

CORRUGATED SHEAR WEB PANEL

THE BOEING COMPANY

EWA NO. 05652

COND. NO. 01

7-5 T-15

TIME

SEC.

8-5 T-16

REVISED

06/16/2

EGBERT 6/19/62

SIIIMONO 420/52

Clober 6/20/2

DATE

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T-18

-DEGREES FAHRENHEIT-

7-6

1-19

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T-21

8-6

T-20

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CONTRACT NO. U6 5553 7450

CALC

CHECK

APR

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PAGF:

EWH

5-652

D2-80081

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SPEC. 0301

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1-15	1-16	1-17	T-18	1-10	T-20	3-7 1-21
912.9	990.4	1060.	1143.	1132.	1214.	1113.
953.7	1011.	1091.	1172.	1110	1010	
		1114.	1179.	1186.	1240.	1168.
		1135.	1185.	1209.	1240.	1170.
971.6	1029.	1153.	1195.	1232.	1268.	1201.
1002.		1176.	1210.	1255.	1276.	1201.
1111.	1202.	1205.	1241.	1289.	1404.	1310.
		1238.	1272.	1312		
	1111.	1249.	1293.	1330.		
1144.	1202.	1342.	1391.	1430.	1435.	1388.
1209.	1235.	1345.	1402.	1435.	1456.	1416.
1237.	, 1274.	1376.	1438.	1463-	1471.	1432.
1271.	1294.	1410.	1472.	1483.	1499	1453.
1297.	1318.	1435.	1508.	1504.		1491.
1335.	1349.	1461.				
1372.	1387.	1487.	1570.	1552.	15711.	1561
1410.	1423.	15194				
1428.	1436.	1543.				
1426.	1434.	1565.				
1410.	1418.	1567.	1642.			
1431	1440.	1573	1415	161:2	1642	1620.
1426.	1462	1586	1650	1656		
1415.	11111	1578	1610	1000		1617.
1423.	lahh.	1573	1642	1073.	10000	1615.
1421.	1441.	1570.	1640.	1650,	1641.	1625. 1625.
1421	11, 34	15.67	1.41.2	1152	1122	1,00
1415.	11:36.	1577	1042	1720	1033•	1620.
1421	1430	1573	1645.	1650.	10334	
		1573.	161.8			1620.
						1617.
14.04	14304	13134	10434	1030.	1021.	1615.
1421.	1434.	1573.	1645.	1656.	1630.	1617.
						1617.
						1617.
						1620.
1444.	14014	15134	1045.	1003.	1041.	1625.
1428.	1457.	1578.	1648.	1656.	1649.	1623.
					1649.	1625.
					1649.	1628.
						1607.
1413.	1454.	1586.	1648.	1664*	1635.	1612.
16/2	REVISED DA		·		· · · · · · · · · · · · · · · · · · ·	EWA
MRT 6/19/2						5-652
				SF	PEC. 0301	
		COND.	NO. 01	Rl	JN 01	DZ-80081
720/2			THE BOEIN	G COMPANY		
						PACT
				-		F1G. 190
	912.9 953.7 966.5 971.6 1002. 1111. 1049. 1062. 1144. 1209. 1237. 1271. 1297. 1335. 1372. 1410. 1426. 1410. 1421. 1421. 1421. 1421. 1421. 1421. 1421. 1421. 1421. 1426. 1410. 1421. 1421. 1421. 1421. 1426. 1410. 1421. 1426. 1410. 1421. 1421. 1426. 1410. 1421. 1421. 1426. 1413. 1426. 1413. 1426. 1413.	912.9 990.4 953.7 1011. 953.7 1006. 966.5 1014. 971.6 1029.  1002. 1060. 1111. 1202. 1049. 1109. 1062. 1111. 1144. 1202.  1209. 1235. 1237. 1274. 1271. 1294. 1297. 1318. 1335. 1349.  1372. 1387. 1410. 1423. 1428. 1436. 1428. 1436. 1426. 1434. 1410. 1418.  1421. 1441.  1421. 1441.  1421. 1436. 1421. 1434. 1421. 1434. 1421. 1436. 1421. 1434. 1426. 1439. 1410. 1436. 1410. 1436. 1441.  1421. 1434. 1426. 1439. 1410. 1436. 1444. 1467.  1428. 1459. 1447. 1431. 1459. 1426. 1459. 1413. 1459. 1426. 1459. 1413. 1459. 1426. 1459. 1413. 1454.	912.9 990.4 1060. 953.7 1011. 1091. 953.7 1006. 1114. 966.5 1014. 1135. 971.6 1029. 1153.  1002. 1060. 1176. 1111. 1202. 1205. 1049. 1109. 1238. 1062. 1111. 1249. 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		7-5	8-5	3-6	4-6	7-6	8-6	3-7
ı	TIME	T-15	T-16	T-17	T-18	1-19	T-20	1-21
	SEC.			DEG	REES FAHR	ENHEIT		
١								
	6551.84	1436.		1584.		1666.		
- 1	6568.04	-		1578.		1664.	1643.	
- 1	6584.24					1664.		1625.
1	6600.44			1578.		1664.		1628.
	6616.64	1428.	1454.	1578.	1645.	1664.	1643.	1625.
1	6632.84	1436.	1462.	1581.	1650.	1864.	1641.	1620.
	6649.04	1441.	1459.	1581.	1650.	1664.	1646.	1625.
- 1	6665-24	1431.	1454.	1584	1650.	1664.	1641.	1620.
	6681.44	1428.	1452.	1578	1650.		1646.	1620.
	6697.64		1459.	1581.	1650	1664.	1643.	1623.
-   '	0071204	1430.	14374	13011	10304	1004	1043.	1023
	6713.84	1444.	1462.	1581.	1650.	1664.	1646.	1620.
	5730.04	1433.		1578.	1650.			1615.
	5746.24	1431.		1581.	1648.		1641.	1620.
1	5762.44			1584.	1650.	1664.	1641.	1623.
1	5778.64	1426.	1444.	1581.	1650.	1661.	1641.	1620.
	, ,							
	5794.84	1436.	1454.	1578.	1648.		1643.	1620.
	5811.04	1415.	1444.	1578.	1645.	1656.	1649.	1625.
- 1	8827.24	1423.	1449.	1578.	1645.	1661.	1635.	1617.
	5843.44	1423.	1439.	1578.	1645.		1638.	1617.
19	5859.64	1431.	1454.	1576.	1645.	1658.	1641.	1620.
1	5875,84	1428.	1449.	1576.	1648.	1658.	1641.	1620.
- 1	5872.04	1436.	1449	1578.	1650	1658.	1641.	1623.
- 1	5908.24	1421.	1444	1576.	1645.	1656.	1635.	1615.
- 1	5924.44	1431.	1449.		1648.	1656.	1641.	
	940.64	1413.	1436.	1576.		1656	1638.	1617.
Į,								
1	956.84	1426:	1439.	1573.	1645,	1653.	1635.	1617.
16	973.04	1410.	1434.	1573.	1645.	1656.	1638.	1620.
18	989.24	1410.	1439.	1573.	1648.	1656.	1638.	1620.
17	005.44	1426.	1452.	1573.	1645.	1653.	1633.	1615.
7	021.64	1413.	1441.	1573.	1648.	1653.	1633.	1617.
			4.1.	b 17 12 4	1/60	1 / 1 7	1407	1415
- 1	037.84	1413.	1444.	1576.	1650.	1653.	1627.	1615.
	054.04	1428.	1449.	1578.	1650.	1656.	1633.	1615.
- 1	070.24	1423.	1444.	1578.	1650.	1653.	1630.	1612. 835.7
- 1	626.44	547.7	620.3	918.1	926.8	1119. 643.9	899.3	
18	1166-44	152.6	150.0	491.1	527.2	043 × Y	340.0	284.2
	* <del>* 00</del>	*97.25	*97.15	+234.6	*229*0	+416.7	*210.2	* 160 · 5
		#7142J	-71.13	- C.JT & U	·· £ £ F # U	41001	~ · • · ·	10013

CALC	06/16/2		REVISED	DATE		EWA
CHECK	EGBERT	6/19/2			CORRUGATED SHEAR WEB PANEL	5-652
APR		6/29/62			EWA NO. 05652 SPEC. 0301 COND. NO. 01 RUN 01	
APR	Clobes	6/20/2			THE BOEING COMPANY	D2-8000
CONTRA	CT NO.	lII				FIG. 19
U6 5553						2.5000

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	ME C.	7-22	T-23	T-24	3-8 T-25	T-26	T-27	
3Ľ	6.	****	***	•====()E(	REES FAHRE	AHF 11	~**	
	.33	78.62	91.90	92.11	89.02	81.28	84.09	86.8
	. 87	81.31	91.90	86.85	86.37		86.72	
33	.27	81.31	94.54	94.75	91.67	81.28	86.72	
65	.67	81.31	94.54	100.0		78.58	86.72	84.2
	.07	81.31	94.54	92.11	91.67	81.28	84.09	84.2
				, 24	,,,,,,	DITE	04407	9406
130	.47	81.31	94.54	160.5	136.7	81.28	86.72	85.8
162	.87	83.95	113.0	212.8	181.6	86.56	92.00	92.1
195	.27	83.95	136.8	286.2		89.21	99.91	102.
227.	.67	86.60	173.6	348.6	273.8	94.49	110.5	113.
260.	.07	97.16	218.2	397.4	347.4	113.0	128.9	128.
292	.47	123-6	260.2	455.1	441.6	155.3	144.7	144.
324.	.87	155.3		541.5	531.3			168.
357.	.27	186.8	368.4	554.6	544.5		191.9	
389.	.67	220.9		583.4	565.6	292.3	212.9	
422.	.07	231.4	453.6	520.6	436.3	286.8	239.1	241.
454.	.47	241.9	485.2	546.8	436.3	286.8	267.9	265.
486.		257.6	524.6	607.0	483.8	284.1	297.4	294.
519.	.27	265.5	561.4	651.5		286.8	327.3	324.
521		265.5	564.0	656.7	523.4	284.1	330.0	326.
1317.	.26	373.9	585.0	400.1	433.7	330.5	547.5	546.
1857.	26	409.0	537.7	523.2	499.6	406.5	523.9	533.
2397.		393.0	511.4	468.2	523.4	395.9	513.4	520.
3281.	60	398.5	511.4	447.3				
3314.		406.4		494.4				
3346.	40	424.8	532.5	538.9	562.9	469.6	521.3	525.9
3378.	80	445.8	553.5	572.9	602.5	498.6	531.8	539.0
3411.	20	472.1		588.6	607.8	527.5	544.9	552.
3443.	60	493.1	606.0	588.6	602.5	556.4	560.7	570.1
3476.	00	522.1	629.7	627.9	652.6	588.0	573.8	586.
508.		548.3	658.6	643.6	665.8	619.6	589.5	599.2
540.	80	577.3	687.5	664.6	700.1	648.5	605.3	614.9
562.		598.3	705.9	669.8	697.5	666.9	615.8	625.1
102.		732.3	1019.	855.2	806.6	761.3	915.3	952.
642.	94	975.5	1003.	1005.	970.7	917.2	986.6	1018.
937.	78	929.5	967.6	895.9	875.8	871.2	996.8	1031.
970.	18	947.4	965.1	944.3	978.4	901.8	996.8	1037.
002.		975.5	977.8	931.6	975.8	947.8		1042.
034.		1004.	1076.	1108.	1059.	978.5	1038.	1085.
067.	38	1040.	1133.	1036.	1030.	1017.	1069.	1116.
099.	78	1066.	1169.	1111.	1085	1053.	1103.	1142.
ALC	06/	16/2	REVISED DA					EW4
HECK	EGB	ER- 6/19/62			ATED SHEAR			5-652
PR	SHIM				0. 05652		PEC. 0301	
PR		bei- 6/20/2		COND.	NO. 01		UN 01	DZ-800
	lea	17-17-94			THE BOEIN	G COMPANY	1	PAGE
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	SE	EC.	-						S FAHR	REN	HEI	T				
	£176															
	5132 5164			097.	1213		1145		1113.		10	95.	1131		117	
	5196			130.	1247	_	1150		1134.		11:	28.	1159	•	119	6.
	5229			205.	1270	-	1155 1157	-	1157.			65.	1180	•	121	
	5261			254.	1316		1206		1191.			85. 09.	1203	•	124	
				2346	1310	•	1200	•	11714		12.	J7 4	1274	•	120	•
	5294			268.	1342		1212		1199.		12:	37.	1245.		12/	9.
	5326			299.	1376		1425		1339.		12		1281.		130	
	5358		-	327.	1407	-	1242	•	1243.			74.	1296.			
	5380			345.	1417		1255.		1248.				1314,			
	5650	- 5t	ن 1:	387.	1464	•	1369	•	1357.		132	22.	1443,	•	147	5.
	5652	<b>. Q</b> 8	3 1	394.	1466		1379.		1381.		134	. 2	1454.		71.0	_
	5715			425.	. 1508		1389		1391.			79.	1472		148	
	5747		-	459.	1540		1405.		1425.		141		1495		152	
1	5780	. 18		493.	15/0	•	1433		1451.		146		1516.		154	
	5812	.58	3 15	525.	1594	•	1464.		1495.		149		1540.		157	
	<b>.</b>								•							
- 1	5844			559.	1621		1490.				153		1567.			
	5877			597.	1650	-	1503.				157		1594.			
	5909 5942			527.	1672						160		1621.			
	5974			559. 572.	1685 1688							7.				
	3714	• 70	, ,,	312.	1000	•	1511.	1	1543.		163	3.	1656.		168	8.
1	6006	. 98	16	572.	1696		1564.		1557.		162	5.	1674.		170	7.
- 1	6039			78.	1704		1567.		1565.		162		1682.		1711	
	5071			72.	1693.		1548.		1551.		161		1685.		171	
1	5104	. 18	16	69.	1685.		1554.		1565.		161		1685.		1718	
16	5136	<b>.</b> 58	16	67.	1680.	)	1548.		1554.		162		1688.		1715	
	168			67.	1677		1540.		1559.		162		1690.		1720	
	5201			67.	1677.		1546.		1565.		162		1693.		1726	
	5233. 5266.			67.	1677. 1677.		1538.		1551.		162		1693.		1720	
- 1	298			67.	1677		1535. 1530.		1554. 1548.		162		1696.		1726	- 1
	12 70	. 50	10	012	10774		1220.		13,404		162	f •	1696.		1726	,•
6	330.	98	16	67.	1677.		1538.		1554.		162	5.	1698.		1732	
- 1	363			_	1677		1532.		1551.		162		1701.		1734	
6	395.	78	16	69.	1677.		1527.		1551.		162	5.	1701.		1729	
	428.				1672.		1532.		1554,		162	7.	1701.		1732	
6	460.	58	16	69.	1677.		1564.	1	1559.		163.	3.	1701.		1729	
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A	PR		MONO	9/20/62					05652				EC. 030	1		
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		1	W W	1					THE BOE	ING	COM	PANY			PAG ^F	-
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CONTRACT NO. u6 5553 7450

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TIME	4-7	7-7	8-7	3-8	4-8	7-8	8-8
SEC.		T-23	1-24	T-25	1-26	1-27	T-27
300	4-44		DE	GREES FAH	RENNETT	******	
6551.8	4 1672.	1688.	1570.	1570.	1633.	1707	1731.
6568.0			1559.	1565	1627	1707	
6584.2			1559.	1565	1630.	1707.	1734.
6600.4			1570	1575.	1030 +	1/07.	17/2.
6616.6			1564	1567.	1135.	1707	17,17.
				1301	11334	1704.	1712.
6:32.8		1688.	1562.	1565.	1638.	1704.	1752.
6649.0		1685.	1556.	1559.	1635.		1732.
6665.2		1685.	1554.	1565.	1635.		1729.
6681.41		1685.	1556.	1559.	1633.	1704.	1734.
6697.61	4 1672.	1685.	1559.	1565.	1633.	1704.	1734.
6713.81	. 1440	1400					
6730.01			1559.	1565.	1633.	1704.	
6746.21		, 1682.	1554.			1704.	1734.
6762.44			1562.			1707.	1732.
6778.64			1554.	1557.		1704.	
0110-04	1672.	1682.	1554.	1559.	1638.	1704.	1734.
6794, 84	1672.	1680.	1556.	1567	1638.	1207	1770
6811.04	1678.	1682.	1564.	1581.		1704.	
6827 - 24		1682.	1546.	1557.		1704.	
6843.44		1682.	1548.	1565.		1704	
6859.64		1680.	1554.	1565.	1643.	1704.	1732.
	•		13314	.5054	10454	1104.	1134
6875.84		1682.	1559.	1570.	1643.	1704.	1732.
6892.04	1672.	1682.	1554.	1575.	1646.	1707.	1729.
6908.24		1682.		1567.	1649.	1704.	1729.
6924:44		1682.			1652.	1701.	
6940.64	1672.	1680.	1543.	1570.	1646.	1701.	1729.
1051 01							
6956.84		1680.		1570.	1646.		
6973.04		1680.		1583.	1652.	1701.	1729.
6989.24	1672.	1677.	1540.	1575.	1652.	1701.	1729.
7005.44		1677,	1538.	1573.	1652.	1701.	1729.
7021.64	1672.	1680.	1543.	1575.	1652.	1701.	1729.
7037.84	1672.	1680.	1543.	1551.	1649.	1701.	1729.
7054.04	1669.	1680.	1538.	1565.	1646.	1701.	1729.
7070.24	1669.	1680.	1538.	1559.	1641.	1701.	1729.
7626.44	960.2	962.5	827.3	796.4	774.0	1232.	1238.
8166.44	532.6	535.1	204.9	208.0	538.0	757.2	758.7
•00	<del>*293.1</del>	*216.0	*102.6	*107*6	* <del>221.3</del>	* <del>518.0</del>	#521, 7

APR	EGRERT 6/19/62 SHIMOND 6/20/62		CORRUGATED SHEAR WEB PANEL  EWA NO. 05652 SPEC. 0301	
APR	Clobes 6/20/2		COND. NO. 01 RUN 01 THE BOEING COMPANY	D2-800
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TIME	3-9 T-30	4-9	7-9	8-9	3-10		7-10
SEC.	1-30	T-31	1-32	T-33 REES FAHR	T-34	7-35	T-36
				KEES FARK	ENHEII	*******	* ~ ~
. • 33		83.91	81.43	81.92	78.62	78.77	76.00
.87		83.91	81.43	87.15	75.88	78.79	
33.27		83.91	84.07	87.15	78.62	81.47	
65.67		81.27	84.07	84.54	78.62	78.79	78.74
98.07	83.92	83.91	81.43	84.54	78.62	78.79	78.74
						10.77	10.14
130.47		83.91	81.43	87.15	78.62	81.47	76.00
162.87		83.91	86.71	87.15	81.31	81.47	81.43
195.27		91.84	97.26	95.01	83.96	81.47	81.43
227.61		97-13	105.2	110.7	83.96	84.11	84.37
260.07	147.4	107.7	118.4	129.1	91.88	92.02	91.98
292447	165.8	118.3	123.6	139.5	105 1	107 0	
324.87	192.0	. 128.9	139.5	163.0	105.1 126.2	107.8	102.5
357. 27	215.7	144.7	157.9	186.4	155.3	136.9	126.3
389.67	241.9	163.1	173.6	207.3	192.0	171.0	165.7
422.07	281.4	194.7	207.7	248.9	215.6	212.9	
	٠				F 1310	23106	233.9
454.47	311.4	215.7	226.0	269.7	244.5	252.2	270.6
486.87	335.9	239.3	254.8	299.0	273.4	275.7	305.6
519.27		265.6	273.2	326.0	305.8	300.0	335.5
521.97		265.6	281.1	331.4	308.6	302.7	340.9
317.26	527.5	522.3	437.4	529.2	398.4	368.0	392.6
857.26	538.0	543.4	468.9	531.8	406.4	389.7	1.00 7
397.26	514.4	530.2	463.7	518.8	409.0	378.8	400.7
281.60	527.5	543.4	479.4	524.0	422.2	395.1	424.3
314.00	538.0	559.1	500.4	563.1	430.0	408.4	434.8
346.40	543.3	551.2	508.3	531.8	445.8	426.8	455.8
378.80	580.1	580.2	63.0	ב לכם	. = .		
411.20	601.1	593.3	542.4 558.1	573.5	472.1	453.0	487.3
443.60	627.4	619.6		591.8	498.4	489.7	516.2
476.00	635.3	630.2	584.4 584.4	615.2	527.3	515.9	542.4
508.40	632.7	630.2	579.1	620.4	553.6	544.8	568.7
4.	0 JE 4 I	03,042	3174	623.0	579.9	573.6	592.3
540.80	656.4	648.6	600.1	641.3	606.2	599.9	615.9
562.94	669.5	664.4	610.6	654.3	624.6	618.2	631.7
102.94	952.9	1012.	935.8	991.2	706.1	707.4	710.4
642.94	1027.	1084.	1033.	1060.	898.9	904.8	864.5
737, 78	1046.	1113.	1064	1083.	865.7	874.2	839.0
70.18	1046.	1116.	1082.	1081.	873.3	887.0	1100 0
002.58	1074.	1134.	1103.	1109.	898.9	917.6	8/1.3
34.98	1139.	1165.	1121.	1145.	924.4	945.6	905.3
67.38	1170.	1183.	1139.	1173.	955.1	976.2	941.0
99.78	1185.	1198.	1160.	1191.	985.7	1004.	966.5
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58	312	2 - :	58		15	87.						581.		1600		14	69		148	32.	1	1446
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	09					65.		i	652			561.		1680		15				6.	•	514
	42					84.		10	576			585.		1707		16			155	5.	]	541
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01	36	• 3	Ö	•	105	77.		1 (	11	•	17	304		1737.		16	05.		160	4.	1	562.
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	75. 28.					1. 4.			39.			52.		754.		160			1607			60.
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48						1.		17.			171			748.		160			1610			57.
50					71			17.			171			748.		160			1610			60.
51					71			17.				13.		748.		160	2.		1610			60.
53	5.	64		1	70	5.		172	28.		171	11.	3	745.		160	0 *		1610	•		60.
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	TIME	T-30	r-31	1-32	8-9	3-10	4-10	
	SEC.			1-32	1-33	T-34	T-35	T-36
					CKEES FAH	RENHEIT		
	6551.81	4 1705.	1731.	174.2	171.0			
	6568.01		1725.					
	6584 . 21		1725		1745.		1607.	
	6600.44		1725.		1743.	1605.		
	6616.64				1745.	1605.	1610.	1565.
	0010.04	11054	1725.	1738.	1745.	1605.	1610.	1562.
	6632.84	1705.	1728.	176.	• • • •			
	6649.04			1741.	1745.	1608.	1610.	1562.
	6665.24		1725.		1748.	1605	1610.	1562.
	6681.44			1741.	1751.			1562.
	6697.64				1751.		1610.	1560.
	0097104	1711.	1728.	1746,	1751.	1605.	1610.	1562.
	6713.84	1711						
	6730.04		1731.		1754.	1605.	1612.	.1562.
			1,734.	1746.	1751.	1605.	1610.	1562.
	6746.24		1734.	1746.	1754.	1605.	1612.	1562.
	6762.44		1734.	1746.	1754.	1605.	1610.	1560.
	6778.64	1714.	1734.	1749.	1754.	1602.	1610.	1560.
								1300.
	6794.84	1714.	1734.	1746.	1754.	1602.	1610.	1557.
	6811.04	1714.		1746.	1751.	1602.	1610.	1557.
	6827.24	1714.	1728.	1746.	1751.	1605.	1607.	1557.
	6843.44	1711.	1728.	1746.	1751.	1600.	1607.	1557.
-   (	6859.64	1708.	1728.	1746.	1748.	1600.	1607.	1557.
						.000	1007	1221.
	5875.84	1708.	1728.	1743.	1748.	1602.	1607.	1557.
	892.04	1711.	1728.	1746.	1751.	1605.	1607.	
16	908.24	1708.	1728.	1741.		1600.	1610.	1557.
18	924.44	1708.	1728.	1743.		1602.	1610.	1557.
10	940.64	1711.	1725.	1743.	1748.	1602.	1010.	1557.
-	1			1,43	1140.	1002	1607.	1557.
6	956.84	1708.	1728.	1741.	1748.	1597.	1400	1567
6	973.04	1708.	1728.	1741.	1745.	1600.		1
	989.24	1708.	1731.	1746.	1748.		1604.	1557.
	005.44	1711.	1725.	1741.	1748.	1600.		1557.
	021.64	1711.	1731.	1741.		1600.	1602.	1552.
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17	037.84	1708.	1728.	1741.	1716	1400	1/01	
- 1	054.04	1714.	1725.	1743.	1745.	1600.	1604.	1557.
1	070.24	1711.	1728.	1741.	1745.	1602.	1607.	1560.
	626.44	1172.	1237.		1745.	1600.	1604.	1557.
1	166.44	716.9	776.7	1245.	1219.	998.5	955.8	971.6
	100444	110.7	11041	782.9	755.8	587.8	544.8	584.4
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CHECK	EGBERT 6/19/67			CORRUGATED SHEAR WEB PANEL	5-652
APR	SHIMONO 6/26/62			EWA NO. 05652 SPEC. 0301 COND. NO. 01 RUN 01	
APR	Clotes 6/20/2			THE BOEING COMPANY	02-80051
	<u> </u>				PAGE 7
CONTRA	ACT NO.				F16. 197

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	TIME SEC.	8-10 T-37	<del>3-11-</del> <del>1-38</del>	<del>4-11</del> - <del>1-39</del> -	7-11 T-40 REES FAHRE	-8-11 -7-41	3-12 T-42	4-12 T-43
	.33	76.16	86.43	88.54	88.54	93.33	81.24	81.25
	.87	78.90	86.45	86.25	88.54	91.07	78.54	78.55
	33.27	78.90	88.70	86.25	90.82	89.80	81.24	81.25
	65.67	78.90	88.70	88.54	93.10	93.38	81.24	81.25
	98.07	78.90	88.70	88.54	97.65	95.60	83.88	83.89
	130.47 162.87 195.27 227.67 260.07	76.16 78.90 78.90 76.16 81.57	86.43 88.70 93.24 93.24	88.54 90.81 90.81 93.09 97.64	106.8 143.2 188.5 224.6 245.0	102.4 122.8 154.5 183.8 210.8	86.53 102.4 126.2 150.0 176.3	89.18 99.76 120.9 147.4 171.0
Land of	292.47	92.10	1114	1 1 3	222 4	208 6	186.8	181.5
	324.87	105.3	125-0	140 9	204 3	201 8	186.8	189.4
	357.27	131.6	143-2	177 1	204 3	197 3	192.1	194.7
	389.67	170.9	163-5	208 8	204 3	199 6	197.3	197.3
	422.07	202.3	170-3	226 9	302 4	240 1	228.8	226.2
	454.47	244.2	186.1	249.5	4dd.9	340.1	303.3	292.4
	486.87	288.9	205.4	272.2	384.5	340.1	330.5	322.4
	519.27	329.7	225.7	290.7	386.9	360.1	357.8	355.1
	521.97	329.7	229.0	290.7	386.9	360.1	357.8	355.1
	1317.26	381.2	315.0	328.2	365.7	374.2	472.5	469.8
	1857.26	375.8	320.7	342.3	347.0	36 .8	464.6	454.5
	2397.26	392.1	330.0	335.3	379.8	38 .2	461.9	459.3
	3281.60	408.1	344.1	351.7	379.8	378 .8	464.6	461.9
	3314.00	415.9	355.8	363.4	393.9	388 .2	469.8	469.8
	3346.40	439.5	367.5	389.2	428.1	411 .2	488.2	482.9
100 100	3378-80	463.1	361.5	4 12 · 3	457.5	433.7	506.7	504.0
	3411-20	494.5	402.5	4 19 · 5	473.4	471.7	525.1	522.4
	3443-60	520.7	411.6	4 19 · 8	493.8	472.0	543.5	540.8
	3476-00	541.6	429.6	4 8 7 · 0	514.1	492.3	567.2	564.5
	3508-40	565.2	450.0	5 0 7 · 4	532.3	50.4	590.9	585.6
14	3540.80	588.8	495.1	580.1	550.4	528.4	611.9	611.9
	3562.94	604.5	492.9	543.6	541.3	532.9	622.4	619.8
	\$102.94	669.9	553.9	625.2	561.7	564.5	675.1	627.7
	\$442.94	791.8	703.0	774.0	782.7	784.5	897.1	899.6
	\$937.78	776.5	689.4	747.5	767.3	771.4	922.7	922.6
5 5	970.18	784.2	96.2	763.0	815.7	799.9	940.6	940.5
	002.58	804.5	107.5	789.4	934.6	872.2	999.4	989.1
	034.98	822.3	723.3	\$15.8	969.9	929.2	1054.	1049.
	067.38	852.9	743.6	42.2	974.2	948.9	1098.	1093.
	099.78	878.3	765.8	64.2	987.4	962.	1129.	1129.
CI	ALC 06/ HECK ESBE PR SHIMO PR Class	RT 6/19/62	REVISED DA	CORRUGA EWA NO	ATED SHEAR 0. 05652 NO. 01 THE BOEIN	SP	L EC. 0301 N 01	EWA 5-652 D2-80081

CONTRACT NO. U6 5553 7450

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PAG

FIG. 198

TIME SEC.	8-10 T-37	3×1+ 1-38	#=11: 1=30 DEG	7-11- T-40 REES FAHRE	8-17 1-41 NHEIT	3-12 T-42	4-12 T-43
5132.18 5164.58 5196.98 5229.38 5261.78	906.3 962.3 1016. 1055. 1101.	789.9 829.4 873.8 908.4 947.9	895. 939. 985.8 1012. 1048.	014 034 061 079	988. 1010 1037 1057 1079	1160. 1188. 1220. 1248. 1279.	1160. 1186. 1217. 1248. 1276.
5294.18 5326.58 5358.98 5380.58 5650.58	1134. 1160. 1186. 1207. 1238.	978.7 1005. 1030. 1050.	101. 1123. 1143.	1128. 1154. 1170. 1180.	1101. 1128. 1146. 1157.	1305. 1339. 1365. 1383. 1398.	1305. 1339. 1362. 1380. 1403.
5682.98 5715.38 5747.78 5780.18 5812.58	1253. 1287. 1312. 1338. 1374.	1090. 1114. 1138. 163.	1)60. 1)90. 1228. 1255. 1284.	1212. 1246. 1279. 1306.	1192. 1221. 1250. 1277. 1301.	1414. 1440. 1468. 1497. 1526.	1414. 1437. 1465. 1491.
5844.98 5877.38 5909.78 5942.18 5974.58	1408. 1439. 1470. 1501. 1519.	1219. 1215. 1274. 1303. 1309.	1320. 1304. 1309. 1305.	1359. 1384. 1411. 1413.	1326. 1354. 1379. 1379.	1561. 1588. 1620. 1639. 1642.	1555. 1585. 1615. 1636. 1641.
6006.98 6039.38 6071.78 6104.18 6136.58	1522. 1511. 1498. 1493.	13 / 14 13 / 6. 13 / 7. 13 / 3. 13 / 1.	1400. 1391. 1387. 1380.	1402. 1397. 1397. 1397.	13 5 6 . 13 6 . 13 6 . 13 5 .	1647. 1650. 1650. 1650.	1647. 1650. 1650. 1647. 1650.
6168.98 6201.38 6233.78 6266.18 6298.58	1490. 1488. 1490. 1490. 1485.	129 1296 1296 1296	1373. 1377. 1377. 1375.	1397. 1395. 1395. 1395.	1381. 1381. 1381.	1652. 1652. 1647. 1650. 1647.	1650. 1647. 1644. 1647.
6330.98 6363.38 6395.78 6428.18 6460.58	1488. 1488. 1485. 1485. 1485.	1294. 1294. 1294. 1294.	1573. 1880. 1880. 1380.	1895. 1897. 1895. 1895.	1381 1381 1381	1647. 1652. 1650. 1652. 1647.	1647. 1647. 1647. 1647.
6470.84 6487.04 6503.24 6519.44 6535.64	1488. 1488. 1488. 1488.	1292 1296 1296 1294 1296	1377 1382 1382 1380 382	395 400 400 400 397	383 383 388 386 386	1647. 1652. 1652. 1652.	1650. 1650. 1652. 1652. 1650.
CALC 06/1 CHECK F-RPF APR SHIMO APR COAC	NO 6/20/52	REVISED DATE	CORRUGA EWA NO	ATED SHEAR 0. 05652 NO. 01 THE BOEIN	SP	L EC. 0301 N 01	EWA 5-652 -D2-90081
CONTRACT NO.							F16. 199

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CONTRACT NO.

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	8-10	- Santa	<b>अब्दे</b> ने	7=44	*8***	1 10	
TIME SEC.	T-37	1=18	4=34	न=पर	7=4+	3-12 1-42	4-12 T-43
4651 01	11.00	Hallmadil		GREES FAH	RENHEIT	****	
6568.04	1488. 1488.	1296	3731	1400.	13801	1652.	1652
6584.24	1490.	294	375	14001	383	1655.	
6600.44	1488.	1296	377.	14001	1383		
6616.64	1488.	1206	1375	1400	1380.	1652. 1652.	
6632.84	1485.	shoot	100	141	1.1	1032.	1650.
6649.04	1485.	1294.	1584.	1397.	1383.	1652.	1650
6665.24	1488	1294.	1382.	1897.	1384.	1652.	1647.
6681.44	1488.	1296.	1884.	1397.	1884.	1652.	1650.
6697.64	1488.	1294.	1382.	1400.	1386.	1652. 1652.	1650. 1647.
6713.84	1490.	1295.	1362.	1404			
6730.04	1488.	1295.	1384.	1400.	1386.		1552.
6746.24	1488.	1299.	1382.	1400	1386.	1652.	1652.
6762.44	1485.	1294.	1300.	1397.	1383.	1652. 1647.	1,50.
6778.64	1485.	1244.	1582.	1400.	1380.	1652.	1652. 1652.
6794.84	1485.	1274.	1350.	1400.	120		
6811.04	1485.	1294.	1377.	1402.	1386.	1652.	1652.
6827.24	1485.	1264.	1375.	1400.	1386.	1652. 1652.	1652.
6843.44	1482.	1242.	1373.	1397.	1586.	1652.	1650. 1647.
6859.64	1480.	1272.	15/3.	1400.	1393.	1652.	1652.
6875,84	1480.	1294.	1377.	1490.	1303.	1450	
6892.04	1480.	1242.	1375.	1400.	1366.	1652. 1652.	1652
5908.24	1482.	1294.	1375.	1400.	1360	1652.	1552. 1550.
5924.44	1485.	1292.	1373.	1400.	1585.	1652.	1647.
5940.64	1480.	129b.	1373.	1400.	1386.	1652.	1552.
5956.84	1480.	1270.	1569.	1400.	1385.	1652.	1455
973.04	1477.	1297.	1373.	1400.	1581.	1652.	1652. 1650.
989.24	1477.	1287.	1373.	1400.	1304.	1652.	1652.
005.44	1477.	1287.	1371.	1400-	1303.	1652.	1650.
021.04	1477.	1287.	1373.	1400.	1383.	1796.	1652.
037.84	1480.	1290	1373.	1397.	1385.	1652.	1647.
054.04	1480.	1200-	1375.	1597.	V3831	1652.	1650.
070.24	1482.	1207.	1377.	1595	1381.	1650.	1650.
626.44 166.44	962.3	\$53.6	91H.0	44.0	733.7	989.2	991.6
100444	583.5	515.5	471.2	137.4	170.5	525.1	527.7
+ <del>00</del>	*355.2	<del>*350.3</del>	*300.8	*197.4	*218:5	*293.7	+2987
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ic 06/	1673	REVISED DA	TE				
				TED CHENO	WEB PANE	: F	EWA
	ERT 6/19/12		EWA NO	. 05852		EC. 0301	5-652
1.2111.270				ND. 01		N 01	22 00001
R Clot	Jea 6/20/2		_		NG COMPANY	· · · ·	D2-8008/
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CONTRACT NO. U6 5553 7450

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PAR BIGHTER BOSINESS FORES
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SEC.	DEG F 81.27 75.83	79.01 81.67	ę i			A .	
33.27 65.67 98.07	78.58 81.27 83.92	81.67 84.30 89.56			•	6	
130.47 162.87 195.27 227.67 260.07	89.20 107.7 136.8 165.8 197.3	102:7 139:5 189:2 231:0 249:2					
292.47 324.87 357.27 389.67 422.07	213.0 215.7 226.2 239.3 273.5	220.5 .207.5 207.5 215.3 332.1					
454.47 486.87 519.27 521.97 1317.26	365.9 385.0 406.5 406.5 417.1	439.1 431.2 439.1 441.7 399.8					
2397.26 3281.60 3314.00	427.6 417.1 427.6 443.4 474.9	389.0 410.3 415.5 433.8 475.7	Ĭ				
3411.20 3443.60 3476.00	506.5 532.8 559.1 585.4 609.1	512.3 530.6 556.7 575.0 598.6					
3562.94 6 1102.94 6 1642.94 9	532.7 538.0 532.7 709.5	616.9 606.4 669.2 884.9	rei Lai	:			
002.58 034.98 067.38 099.78	27.4 007. 074. 110.	910.3 1043. 1082. 1087. 1102.					•
ALC 06/11 HECK EGBETT PR SHIMOLO PR Cloth	0 6/20/12	REVISED. DATE	CORRUGAT EWA NO. COND. N	05652 10:01		L . EC. 0301 N 01	5-652 02-8000

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S132.18						THE BOEIN	G COMPANY		PAG FIG. 20
	PR	SHIMO	NO 6/20/62		EWA NO.	05652 10. 01	SP I RUI	EC. 0301	5-652
	ALC	067	16/3	REVISED DATE					EWA
					1	ř			
	487.	04	1625.	1563.	1				
	u70.	84	1622-	1560.					
S164.58								,	
S164.58	395	78	1625.	1555.					•
S164.58					4				
S164.58					d			* · · · · ·	,
S164.58	266	. 18	1622.	1555.	. 1		,		
S164.58									•
5164.58       1196.       1161.         5196.98       1232.       1192.         5220.38       1258.       1210.         5261.78       1284.       1236.         5294.18       1312.       1262.         5326.58       1346.       1295.         5358.98       1367.       1306.         5380.58       1382.       1321.         5650.58       1374.       1318.         5682.98       1395.       1344.         5715.38       1434.       1383.         5747.78       1467.       1416.         5780.18       1499.       1442.         5812.58       1531.       1475.         5844.98       1563.       1536.         5909.78       1627.       1565.         594.2.18       1646.       1576.         5974.58       1638.       1563.         6006.98       1638.       1563.         60071.78       1627.       1557.         5104.18       1625.       1557.								•	
5164.58       1196.       1161.         5196.98       1232.       1192.         5220.38       1258.       1210.         5261.78       1284.       1236.         5294.18       1312.       1262.         5326.58       1346.       1295.         5358.98       1367.       1306.         5380.58       1382.       1321.         5650.58       1374.       1318.         5682.98       1395.       1344.         5715.38       1434.       1383.         5747.78       1467.       1416.         5780.18       1499.       1442.         5812.58       1531.       1475.         5844.98       1563.       1536.         5909.78       1627.       1565.         594.2.18       1646.       1576.         5974.58       1638.       1555.         6006.98       1638.       1563.         6039.38       1633.       1560.         50071.78       1627.       1557.         5104.18       1625.       1557.	136	· 58			,	_d <b>b</b> - a			
5164.58						6		`	
5164.58	5039	.38	1633.	1560.		e .		•	
5164.58       1196.       1161.         5196.98       1232.       1192.         5229.38       1258.       1210.         5261.78       1284.       1236.         5294.18       1312.       1262.         5326.58       1346.       1295.         5358.98       1367.       1306.         5380.58       1382.       1321.         5650.58       1374.       1318.         5715.38       1434.       1383.         5747.78       1467.       1416.         5780.18       1499.       1442.         5812.58       1531.       1475.         5844.98       1563.       1509.         5877.38       1598.       1536.         5909.78       1627.       1565.         5942.18       1646.       1576.         5974.58       1638.       1555.	5006	•98	1638.	1563.			4		,
5164.58									
5164.58       1196.       1161.         5196.98       1232.       1192.         5229.38       1258.       1210.         5261.78       1284.       1236.         5294.18       1312.       1262.         5326.58       1346.       1295.         5358.98       1367.       1306.         5380.58       1382.       1321.         5650.58       1374.       1318.         5715.38       1434.       1383.         5747.78       1467.       1416.         5780.18       1499.       1442.         5812.58       1531.       1475.				1565.					
5164.58       1196.       1161.         5196.98       1232.       1192.         5229.38       1258.       1210.         5261.78       1284.       1236.         5294.18       1312.       1262.         5326.58       1346.       1295.         5358.98       1367.       1306.         5380.58       1382.       1321.         5650.58       1374.       1318.         5682.98       1395.       1344.         5715.38       1434.       1383.         5747.78       1467.       1416.         5780.18       1499.       1442.         5812.58       1531.       1475.	5877	.38	1598.		1			4	
5164.58       1196.       1161.         5196.98       1232.       1192.         5229.38       1258.       1210.         5261.78       1284.       1236.         5294.18       1312.       1262.         5326.58       1346.       1295.         5358.98       1367.       1306.         5380.58       1382.       1321.         5650.58       1374.       1318.         5682.98       1395.       1344.         5715.38       1434.       1383.         5747.78       1467.       1416.         5780.18       1499.       1442.									
5164.58       1196.       1161.         5196.98       1232.       1192.         5229.38       1258.       1210.         5261.78       1284.       1236.         5294.18       1312.       1262.         5326.58       1346.       1295.         5358.98       1367.       1306.         5380.58       1382.       1321.         5650.58       1374.       1318.         5682.98       1395.       1344.         5715.38       1434.       1383.         5747.78       1467.       1416.					f 4				
5164.58       1196.       1161.         5196.98       1232.       1192.         5229.38       1258.       1210.         5261.78       1284.       1236.         5294.18       1312.       1262.         5326.58       1346.       1295.         5358.98       1367.       1306.         5380.58       1382.       1321.         5650.58       1374.       1318.	5747	7.78	1467.	1416.			1	ď	
5164.58       1196.       1161.         5196.98       1232.       1192.         5229.38       1258.       1210.         5261.78       1284.       1236.         5294.18       1312.       1262.         5326.58       1346.       1295.         5358.98       1367.       1306.         5380.58       1382.       1321.         5650.58       1374.       1318.					g#			•	٠.
5164.58       1196.       1161.         5196.98       1232.       1192.         5229.38       1258.       1210.         5261.78       1284.       1236.         5294.18       1312.       1262.         5326.58       1346.       1295.         5358.98       1367.       1306.         5380.58       1382.       1321.			15/4.	1318.					
5164.58 1196. 1161. 5196.98 1232. 1192. 5229.38 1258. 1210. 5261.78 1284. 1236.	5380	58	1382.	1321.					
5164.58 1196. 1161. 5196.98 1232. 1192. 5229.38 1258. 1210. 5261.78 1284. 1236.			-	1295.		•			
5164.58 1196. 1161. 5196.98 1232. 1192. 5229.38 1258. 1210. 5261.78 1284. 1236.				1262.			ė.		
5164.58 1196. 1161. 5196.98 1232. 1192.					·		¢		
less.	519	6.98	1232.	1192.					
SEC. DEG F DEG F	S	EC.	DEG F	DEG F	٠	•			

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                       8-12
    TIME
             T-44
                       T-45
   SEC.
             DEG F
                        DEG F
 6551.84
             1625.
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 6568.04
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 6649.04
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 6697.64
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 6713.84
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6730.04
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 6762.44
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            1625.
6778.64
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6794.84
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6811.04
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6859.64
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6892.04
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6924.44
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6940.64
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6956.84
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7005.44
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7021-64
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7037-84
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7054.04
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7070.24
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                     1557.
7626.44
           873.7
                     790.9
8166.44
           453.9
                     389.0
                    *207.8
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CALC	06/16/2	REVISED	DATE		EWA
CHECK	EGBERT 6/19/67			CORRUGATED SHEAR WEB PANEL	5-652
APR	SHIMOND 420/62			EWA NO. 05652 SPEC. 0301	
APR	Colice 6/20/2			COND. NO. 01 RUN 01	102-80081
				THE BOEING COMPANT	PAGE
CONTRA	ACT NO.				FIG. 203

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	TIME	3- <b>T-</b> :	1	4-1 T-3						
,	SEC.	-	~ ~ ~ ~		*****	DEGREES FAHR	RENHEI	T		***
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	.87		85	78.1 75.7	78. 73 78.					
1 3	33.27			75.7	3 81.					
1	5.67			78.4						
9	8.07	78.		78.4						
					· · · · · · · · · · · · · · · · · · ·	22 00.40				
	0.47			78.4		79 94.78				
	2.87			81.1	8 142	1 118.4				
	5.27		94	81.1	8 194					
	7.67	-		83.8	3 236					
20	0.07	91.	86	89.1	2 260	.3 22046				
29	2.47	105	. 1	105.	0 234	0 017 0				
32	4.87	. 120	. 9	139.						
35	7.27	142	. 1	181.						
	. 67	165	. 8	218.						
	2.07	173	.6	239.		7 254.5				
1, 2 1	ı. ı. 🖜					1.				
	4.47	192		265.						
	6.87	215		292.		2 378.3				
	7.27 1.97	239				9 394.6				
	7.26	241			424.					
ווניי	• 40	344	· U	358.0	401.	2 410.4				
	.26	349.	.5	374.1	379.	4 400.0				
	.26	360.	. 14	366.2		0 418.3				
	.60	376.		385.3						
	.00	390.		398.9	432.	8 426.1				
1346	.40	403.	.8	427.9	472.	2 452.3				
378	.80	439.	6	454.3	506.	4 478.5				
411	.20	443.		485.9						
443	.60 .			509.6						
476	.00	474.		541.2		1 546.5				
508	.40	498.		564.9	593.					
540	۵۸	561	,	5010						
56 <b>2</b> .		551. 548.		591.2						
102		619.		607.0						
642		791.		872.1						
937.		776.		841.4						
					3034	00143				
970.		784.		859.3	919.5					
002.		796.		890.0	1058.					
034.		814.8		920.7	1100.					
067, 099,		837.		951.5	1105.	•				
J T T 4	10	863.3	· · · · · · · · · · · · · · · · · · ·	977.1	1120.	1090.				
ALC		16/2		REVISED	DATE					EWA
	EGG	ERT 7	15/62		<b>CORR</b>	UGATED SHEAR	WEB	PANEL		5-652
PR	-				EWA	NO. 05652			0301	
PR	<u> </u>				CON	D. NO. 01		RUNC		D2-8008
						THE BOE	NG COM	PANY		PAGE
							·			
	CT NO.			·····						F16.204
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TIM	E	3-11 T-38	4-11 T-39	T-40		RENHEI	<b>T</b>		, po es ado ayo es
132.		891.4					3	to tobe	
164.		937.4		1175	. 1146.	12.7	7 37 71		.,
196.		988.5			1177.				
229.		1030.	1150. 1192.						
294.		1113.	1223.						
326. 358.		1144.	1254.						
380.		1195.	1280. 1303.						
650.		1232.	1306.						
682. 715.		1242.	1329						
747.		1270. 1299.	1368.						
780.		1327.	1433.		1425 ₊ 1455 _*				
812.		1356.	1467.	1520.	1484				
844.9 877.		1392.	1508	1554.					
709.		1423. 1457.	1538. 1568.	1584. 1616.					
942.	8	1490.	1600.	1619.	1590.				
774.5	8	1509.	1613.	1597.	1577.				
06.9		512.	1605.	1605.	,				
39.3		506.	1594.	1600.	· · · · ·				
)71.7 104.1		496.	1578	1600.					
136.5		488.	1581. 1581.	1600. 1603.		•			
68.9	Ω 1	483.	1573.						
01.3		483.	1578.	1600. 1597.	1582: 1579.				
33.7		483.							
266.1		480.	1576.	1597.	1579.				
98.5	8 1	483.	1578.	1597.	1579.				1
30.9		480.	1573.	1597.	1579.				
63.3		48 <b>3.</b>	1581. 1581.	1600. 1597.	1579. 1579.				
28,1		480.	1581.	1597.	1579.				
60.5		480.	1584.	1597.	1579.				
70.9		477.	1578.	1597.	1582.				
87.49		483.	15844	1603.	1582.				
03.2		483. 480.	1584. 1581.	1603.	1587 <b>.</b> 1 <b>5</b> 854				
35.6	4.	483,	1584	1600.	1585.				
	06/16		REVISED	DATE	1.7		,		EWA
	CALA	T 7/5/6	2		GATED SHEAF	NEB			5-652
R				1	NO. 05652		SPEC.		D2-800
R						ING CO		+	7
		<u> </u>	<u> </u>			·			PAGE
NTRACT	NO.								F16, 21

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TIME SEC.	3-11 1-38	4-11 T-39	7-11 T-40	T-41	ENUETT		
			D		CEMUET 1		 ***
6551.84 6568.04 6584.24 6600.44	1480. 1483.	1573. 1576. 1578. 1581.	1607	1587. 1582. 1582.	1, 3:	•	
6616.64	1483.	1576.	1600.	1585.			
		, , , , ,	1003	1585.			
5632.84	1483.	1581.	1600.	1582			
6649.04	F	1584.	1600.	1585.			
6665.24			1600.	1585.			
5681.44				1582.			
6697.64			1603.	1585.			
			, ,	1303.			
6713.84	1483.	1584.	1600.	1585.			
	1483.	1586:	1603-	1585.			
	1485.	1584.	1403	1585.			
	1480.	1581.	1600.	1582.			
5778.64		1584.	1603.	1585.			
6794.84	11.00		,				
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5843.44	1400	1576.	1603.	1585.			1
6859.64	1477.	1573.		1585.			
11007.04	1477.	1573.	1603.	1582.			- 1
5875.84	1480.	1578.	1603.	1600			- 1
6892 0	1477.	1576.		1582.			
5908.24	1480.	1576.	1603.	1585.			
6924.44	1477	1573.	1603.	1585.			
6940.64	1475.	1573.	1603.	1582:			
		13134	1005.	1585.			
6956.84	1475.	1568.	1603.	1582.			
69/3.04	1475.	1573.		1582.			
6989.24	1472.	1573.	1603.	1585.			
7005-44	1472.	1570.	1603.	1582.			
7021.64	1472.	1573.	1603.	1582.			
				, , , ,			İ
1037.84	1475.	1573.	1600 .	1582.			
7054-04	1475.	1573.	1600.	1579.			
1070.24	1472.	1578.	1597.	1579.			
7086.47	1498.	1578.	1597.	1582.			
7626.44	965.5	923.3	768.8	824.3			į
0166 1.1.	و <del>د</del> ۱۳۱۰ ت	500 0	368.5				
3166.44	574.7	522.8	368.5	413.1	1		<b></b>
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CALC	06/16/2		REVISED	DATE		EWA
CHECK	EGBERT 7/	5/62			ORRUGATED SHEAR WEB PANEL	5-652
APR					EWA NO. 05652 SPEC. 0301	
APR				***************************************	COND. NO. OI RUN OI	02-80081
			, )	<del> </del>	THE BOEING COMPANY	
	4			<del></del>		PAGE
ONTRA	CT NO.					F16.206

			= 12			•		٠.	
		TIME	1-2 0-01	5-2 D-02	6-2	1-3	2-3	5-3	6-3
•		SEC.	****		D-03	0-04	D-05	0-06	0-0
						INCHE	,	*******	
		• 33			0.049-	0.010	0.000	•	0.0
	1.	.87 33.27			0.044-	0.020	0.003	0.023	- 0.0
		65.67	0.039		0.036-	- 4	0.003	0.021	
		98.07	0.047				0.005	0.023	
			<b>V</b>	0.0084	0.044-	0.020	0.003	0.025	
		30.47	0.041	0.002-	0.046-	0 000			
		62.87	0.041-		0.048-	0.020	0.000	0.023	, , , ,
		95.27	0.033-	- 0.006-	0.044-	0,029	0.007	0.025	
		27.67	. 0.027-		0.046-	0.029	0.009	0.019. 0.013.	
	120	50.07	0.035-	0,013	0.044-	0.030	0.012	0.011-	
	1:20	2.47	0.01.2					04011	0.0
		4.87	0.043-	. , ,	0.042-	0.036	0.011	0.019-	0,00
		7.27	0.037-	444.3	0.038-	0.039	0.014	0.017-	
		9.67	0.025-		0.040-	0.047	0.011	0.019-	0.01
		2.07	0.053-		0.035- 0.035-	0.056	0.011	0.017-	0.00
				04020	0.055-	0.058	0.016	0.015-	0.00
		4.47	0.035-	0,032	0.033-	0.059	0 022	0.001	
		6.87	0.041-	0.032	0.033-	0.039	0.023	0.021-	
		9-27	0.035-		0.033-	0.072	0.020	0.019-	
		1.97	0+035+		0.035-	0.069	0.023	0,032+	
	131	7.26	0.031-	0.045	0.035-	0.090	0,022	0.027-	
	185	7.28	0.035-				, , , , ,	30027	0,01
i		7.26	0.035-	0.051	0.036-	0.096	0.020	0.029-	0.01
		1.60	0.037-	0.051 0.060	0.038-	0.088	0.022	0.032-	0.01
		4.00	0.041-	0.064	0.038- 0.038-	0.101	0.020	0.038-	0.01
		6.40	0.037-	0.066	0.033	0.101	0.018	0.042-	0.01
					040330	0.105	0.018	0.036-	0+013
		8.80	0.035-	0.070	0.035-	0.101	0.025	0.046-	0.01
		1,20	0.039-	0.081	0.035-	0.112	0,027	0.046-	0.01
	3443		0.035-	0.074	0.029-	0.116	0,033	0.048-	0.01.
	3476		0.035-	0.089	0.027-	0.127	0.031	. 0.040-	0,019
İ	3508	+40	0.035-	0.093	0.033-	0.127	0.033	0.048-	0.019
	3540	. 80	0.035-	0.096	A 445				
	3562		0.027-	0.104	0.025~	0.134	0.036	0.048-	0.010
	+102		0.039-	0.115	0.027-	0.134	0.033	0.054-	0.015
	1642		0.047-	0.148	0.025-	0.165 0.186	0.034	0.034-	0.018
14	1937	.78	0.049-	0.150	0.023-	0.196	0.047 0.044	0.061-	0.020
1.			, ,	•	***************************************	0.170	0.044	0.071-	0.020
	970		0.053-	0 + 159	0.033-	0 * 203	0.051	0.067-	0.025
	002		0.053-	0.161	0.029-	0.205	0.055	0.069-	0.017
	034.		0.053+	0.165	0.031-	0.219	0.060	0.067-	0.018
	099.		0.049+	0.176	0.027-	0.232	0.068	0.069-	0.018
1	077	10	0.033-	0+178	04027+	0.237	0.066	0.073-	0.020
c	ALC	06/1	6/2	REVISED DATE					1
├	IECK				CORRUGAT	ED SHEAR	WED DANS		EWA
-	PR	SHIMO	RT 6/19/62		EWA NO.	05652		L EC. 0301	5-652
A					COND. N	10. 01·		N 01	22.0
'		Clob	ea 6/20/2	<u> </u>	-		G COMPANY		DZ-80081
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CO		7480						*	1110.401

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	GAN Pronge	,	
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	 PARTE POST		
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	TIME SEC.	1-2 0-01	5+2 D-02	6-2 D-03	1-3 D-04	2-3 0-05	5-3 D-06	6-3 0-0
				~~~~~~	INCHES		*******	*****
	32.18	0.051-		0.022-	0.243	0.064	0.077-	0.0
	4 . 58	0.051-		0.020-	0.254	0.064	0.081-	
521	6.98° 29.38			0.020-	0.265	0.069	0.083-	
524	1.78	0.051-		0.014-	0.266	0.071	0.086-	
326	71470	0.043-	0.222	0.011-	0.281	0.069	0.086-	
	4.18	0.045-	0.233	0.011-	0+283	0.077	0.000.	
	6.58	0.043-	0.243	0.007-	0.295	0.073	0.090	
	8.98	0.043-	0,254	0.007-	0,303	0.077	0.096-	0.0
	0.58	0.047-	0.260	0.007-	0.314	0.077	0.100-	0.0
565	0.58	0.055-	0.279	0.014-	0.341	- 0.077	0.094- 0.104-	0.0
568	2.98	0.059-	0.284	0.014-	0.24.0			5,0
	5.38	0.059-	0.298		0.348	0.082	0.108-	0.02
	7.78	0.063-	0.276	0.016-	0.359	0.082	0.110-	0.03
	0.18	0.061-	0.321	0.016-	0.377	0.084	0-115-	0.03
	2.58	0.071-	0.324	0.022- 0.018-	0.381	0.086	0.121-	0.03
			V + 324	02019-	0,392	0.088	0.115-	0.03
	4.98	0.071-	0.343	0.016-	0.412	0.091	0.123-	0.00
	7.38	0.075-	0.349	0.022-	0.417	0.089	0.129-	0.02
	7.78	0.075-	0.359	0.027-	0.435	0.091	0.131-	0.02
	2.18	0.077-	0.370	0.024-	0.441	0.093		0.02
5971	1,58	0.077-	0.381	0,033-	0,441	0.088	0.135- 0.146-	0.02
5008	5.98	0.089-	0.387	0.071	0.463			7700
	38	0.081-	0.383	0.031	0.451	0.088	0,143-	0.02
	.78	0.087-	0.379	0.038-	0.455	0.089	0.146-	0.02
	. 18	0.083-	0.317	0.035	0.455	0.089	0.146-	0.02
	.58	0.096-	0.391	0.036- 0.038-	0.455	0.082	0.148-	0.02
	,		04371	0.030-	0.459	0.088	0.154-	0.02
	. 98	0.091-	0.387	0.038-	0.457	0.088	0.158-	0.02
	• 38	0.091-	0.396	0.044-	0.461	0.082	0.158-	0,02
	.78	0.094-	0.396	0.040-	0.459	0.089	0.162-	0.02
	- 18	0.096-	0.400	0.042-	0.470	0.093	.0.160-	0.02
248	•58	0.093-	0.404	0.048-	0.466	0.088	0.168-	0.02
330	•98	0.096-	0.396	0.044-	0.466	0.088	0 14:	
363	-38	0.098-	0.404	0.040-	0.473	0.082	0.164-	0.025
395	.78	0.098-	0.400	0.044-	0.471	0.084	0.168-	0.025
428	. 18	0.091-	0.408	0.044-	0.477	0.084	0.166-	0.024
460	• 58	0.094-	0.412	0.051-	0.475	0.084	0.168- 0.175-	0.025
470	. 8h	0.100-	0.408	A 01::A	A 1. ** **			
487		0.118-	0.408	0.049-	0.477	0.088	0.168-	0.029
503		0.116-	0.408	0.064-	0.479	0.078	0.172-	0.020
519		0.128-	0.400	0.059-	0.481	0.084	0.179-	0.022
535		0.140-	0.393	0.075- 0.083-	0.481	0.080 0.073	0.170-	0.018
					44411	V1V13	0.177-	0.017
ILG	06/1		REVISED DAT	1	CO CHOAS	1150 544 5		EWA
ECK		FRT 6/19/67		EWA NO.	ED SHEAR			5-652
R	SHIMO			COND. N			EC. 0301	
R	Class	ea 6/20/2				RU G COMPANY	N 01	D2-8008
	I .	1' '	_ 1	1 1	DOEIN	COMPANY		
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	YIME SEC.	1-2 0-01	5-2 D-02	6-2 D-03	1-3 0-04 INCHES	2-3 D-05	5-3 D-06	6-3 0-07
Market Street					(1,0			
	6551.84 6568.04 6584.24 6600.44 6616.64	0.192- 0.164- 0.168- 0.182- 0.180-	0.387 0.389 0.587 0.583 0.381	0.070- 0.103- 0.112- 0.121- 0.125-	0.475 0.471 0.468 0.468 0.471	0.071 0.071 0.069 0.064 0.075	0.170- 0.164- 0.168- 0.168- 0.168-	0.008 0.003 0.006 0.005 0.006
	6632.84 6649.04 6665.24 6681.44 6697.64	0.166- 0.134- 0.130- 0.122- 0.144-	0.396 0.412 0.412 0.419 0.408	0.108- 0.081- 0.068- 0.066- 0.095-	0.479 0.488 0.491 0.497 0.482	0.077 0.077 0.077 0.073 0.071	0.177- 0.177- 0.187- 0.191- 0.179-	0.005 0.017 0.013 0.017 0.012
0	5713±84 5730.04 5746.24 5762.44 5778.64	0.182- 0.189- 0.207- 0.221- 0.239-	0.385 .0.387 0.378 0.374 0.360	0.127- 0.136- 0.153- 0.162- 0.182-	0.470 0.468 0.464 0.462 0.455	0.071 0.069 0.069 0.064 0.060	0.172- 0.173- 0.173- 0.170- 0.168-	0.005 0.001- 0.000 0.005- 0.005-
6	5794.84 5811.04 5827.24 5843.44 5859.64	0.257- 0.257- 0.276- 0.284- 0.290-	0.362 0.366 0.353 0.351	0.201- 0.204- 0.219- 0.223- 0.236-	0.457 0.451 0.453 0.451 0.446	0.064 0.062 0.062 0.060 0.058	0.166- 0.172- 0.162- 0.168- 0.162-	0.007- 0.008- 0.010- 0.008- 0.010-
6	0875.84 0892.04 0908.24 0924.44	0.296- 0.312- 0.322- 0.340- 0.367-	0.353 0.353 0.351 0.340 0.338	0.238- 0.250- 0.271- 0.285- 0.302-	0.446 0.441 0.437 0.430 0.428	0.060 0.060 0.055 0.060 0.056	0.160- 0.162- 0.162- 0.160- 0.150-	0.008- 0.010- 0.012- 0.012- 0.019-
6 6 7	956.84 973.04 989.24 005.44 021.64	0.369- 0.403- 0.449- 0.470- 0.310-	0.345 0.332 0.336 0.345 0.425	0.315- 0.346- 0.389- 0.411- 0.249-	0.430 0.421 0.410 0.410 0.490	0.055 0.051 0.058 0.058 0.069	0.154- 0.158- 0.148- 0.144- 0.193-	0.017- 0.022- 0.019- 0.022- 0.000
777	037.84 054.04 070.24 626.44 166.44	0.239- 0.243- 0.239- 0.174- 0.118-	0.444 0.431 0.427 0.248 0.150	0.193- 0.191- 0.191- 0.167- 0.132-	0.506 0.500 0.500 0.301 0.165	0.069 0.071 0.073 0.031 0.009	0.208- 0.204- 0.200- 0.181- 0.123-	0.013 0.006 0.013 0.025 0.012
	- 00	*0=002 -	*0.004	*0.001	*0.003 -	* 0 2 003 -	*0;007-	*0:003
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CALC	06/16/2	REVISED	DATE		EWA
CHECK	EGBERT GAIG	,		CORRUGATED SHEAR WEB PANEL EWA NO. 05652 SPEC. 03	5-652
APR	SHIMONU 6/2 /6			COND. NO. 01 RUN 01	D2-80081
APR	Chales Grade	-		THE BOEING COMPANY	PAGE2
	ACT NO.	Ц	<u> </u>		F16.209

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1-4
                                  2-4
     TIME
              D-08
                                  L-01
     SEC.
              INCHES
                                  POUNDS
              0.012-
                                  15.08
      .87
             0.003-
                                 22.62
    33.27
             0.003-
                                 22.62
    65.67
             0.003-
                                 30.17
    96.07
             0.003-
                                 30.17
   130.47
             0.003-
                                 30.17
             0.009-
   162.87
                                 30.17
   195.27
             0.009-
                                 45.25
   227.6
             0.007-
                                 30.17
   260.07
             0.000-
                                 37.71
   242.47
             0.003-
                                 15:08
   324.87
             0.012-
                                 30.17
   357.27
             0.012-
                                 37.71
   389.67
             0.014-
                                 15.08-
   422.07
             0.005-
                                 30.17
   454.47
             0.014-
                                37.71
   486.87
             0.009-
                                30.17
   519.27
             0.010-
                                37.71
  521.97
             0.010-
                                37.71
  1317.26
             0.010-
                                37.71
  1857.26
            0.014-
                                15.08
 2397.26
            0.023~
                                30.17
 3281.50
            0.018-
                                15.08
 3314.00
            0.018-
                                15.08
 3346.40
            0.027-
                                15.08
 378.80
            0.027-
                                15.08
 3411.20
            0.027-
                                0.000-
 3443.60
            0.023-
                                37.71
 3476.00
            0.030-
                                30.17
 3508.40
                                0.000-
            0.025-
 3540.80
            0.025-
                                30.17
 3562.94
            0.030-
                                30.17
 4102.94
            0.029-
                                0.000-
 4642.94
            0.039-
                                0.000-
4937.78
            0.049-
                                22.62
4970.18
            0.047-
                               0.000-
5002.58
            0.045-
                               15.08-
5034.98
           0.045-
                               7.541
5067.38
           0.050-
                               0.000-
50 77. 78
           0.049-
                               7.542-
       06/16/2
CALC
                                                                       EWA
                                CORRUGATED SHEAR WEB PANEL
CHECK
       EKIPFAT 6/19/62
                                                                       5-652
                                 EWA NO. 05652
                                                         SPEC. 0301
              1/2/1/2
                                 COND. NO. 01
                                                         RUN OT
              6/20/2
                                                                      D2-8008.
APR
                                           THE BOEING COMPANY
                                                                      PAGE
CENTRACT NO.
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	•	-											
		IME EC.		1-4 D-08 INCHES	5		2-4 1-01 Pounds						
	516 519 522	2.18 4.58 6.98 9.38		0.050- 0.054- 0.054- 0.054- 0.061-			0.000- 22.62 0.000- 30.17 30.17		, ,	. ,			•
5	328 359 380	1.18 5.58 3.98 3.58	(0.061- 0.065- 0.072- 0.067- 0.081-			22.62 37.71 22.62 0.000- 0.000		;		,		
5 5 5	715 747 780	.98 .38 .78 .18	0	0.087- 0.088- 0.092- 0.098-			15.08- 15.08- 0.000- 0.000- 30.17-						
5 5	877 909 942	.98 .38 .78 .18	0	.096- .096- .101- .099-	1		15.08- 7.542- 7.542- 30.17- 22.62-						
60	006 039 071. 104. i36.	. 38 . 78 . 18	0	.107- .108- .108- .114-			37.71- 15.08- 30.17- 30.17- 37.71-	, e	÷1				1
62 62 62	68, 201, 33, 66,	. 38 . 78 . 18	0. 0.	.116- .125- .119- .123- .121-			30.17- 15.08- 30.17- 45.25- 15.08-			,	J,		
63 63 64	30. 63. 95. 28.	38 78 18	0.	130- 134- 130- 136-		;	37.71- 30.17- 37.71- 37.71- 45.25-		,				
64 65 65	70. 87. 03. 19.	04 24 44	0.	137- 148- 139- 132- 136-		r	37.71- 196.1 150.8 460.0 588.2		:				
CALC CHEC APR		EGE SHIM	OND	6/19/62	REVISE	D D		TED SHEAR • 05652 NO • 01 THE BOEL	,	· \$P RU	L EC. V 01	0301	5-6 5-6
1													PAGE

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M PIONIES BUSINESS FORMI
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REVISED
                               DATE
        06/16/2
                                                                               EWA
                                    CORRUGATED SHEAR WEB PANEL
                                                                               5-652
CHECK
       SCHERT
                                     EWA NO. 05652
                                                                SPEC. 0301
       SHIMONO Gar/Cz
APR
                                     COND. NO. 01
                                                                RUN 01
                                                                              DZ-8008!
       Clarken.
                                                THE BOEING COMPANY
                                                                              PAGF:
                                                                              F16.212
CONTRACT NO.
U6 55 3 7450
                                                                              2.5000
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229

1-4

0-08

INCHES

0.125-

0.127-

0.136-

0.125-

0.125-

0.130-

0.143-

0.148-

0.148-

0.145-

0.127-

0.125-

0.118-

0.112-

0.107-

0.103-

0.108 -

0.096-

0.039-

0.098-

0.098-

0.099-

0.098-

0.087-

0.081-

0.087-

0.079-

0.076-

0.081-

0.150 -

0.167-

0.161-

0.163-

0.157-

0.107-

***0.005**

TIME

SEC.

6551.84

6568.04

6584.24

6600.44

6616.64

6532.84

6649.04

6665 . 24

6681.44

6697.64

6713.84

6730.04

6746.24

6162,44

6778.64

6794.84

6311.04

6827.24

6843.44

6859.64

6875.84

6892.04

6908.24

6924.44

6940.64

6956.84

6973.04

6989.24

7005.44

7021.64

7037.84

7054.04

7070.24

7626.44

8166.44

2-4

L-01

POUNDS

806.9

987.9

1222.

1207 . -

852.2

241.3

128.2

120.7

558.1

1192.

1425.

1629.

1833.

2413.

2466.

2677.

2692.

2919.

2919.

3054.

3318.

3507.

3688.

3650.

3929.

3846.

829.6

75.41

181.0

181.0

82.96-

75.41-

*15 00

3929. URT

2164.

1011. -

TEMPERATURES, DEFLECTIONS & LOADS

*THERMOCOUPLE DATA (SEE FIG. 5 FOR LOCATIONS) FIGURE NO.	
T-01, T-02, T-03, T-03, T-05, T-06, T-07 T-08, T-09, T-10, T-11, T-12, T-13, T-14 T-15, T-16, T-17, T-18, T-19, T-20, T-21 T-22, T-23, T-24, T-25, T-26, T-27, T-29 T-30, T-31, T-32, T-33, T-34, T-35, T-36 T-37, T-38, T-39, T-40, T-41, T-42, T-43 T-46 T-12 ciccuit opened (No data available)	
APPROVED BY Karen Philips RADIANT HEAT LAB.	
1/21/02 1-23-02 1/25/02	
*DEFLECTION DATA AND LOAD (SEE FIG. 16FOR LOCATIONS) FIGURE NO.	
D-01, D-02, D-03, D-04, D-05, D-06, D-07	
TOLERANCES:	
THERMOCOUPLES = ± 45°F	
D-02, D-06, D-08 = ± 0.005 inches	
D-O1, D-O3, D-O4, D-O5, D-O7 = ± 0.020 inches	
$L-01 = \pm 50 \text{ pounds}$	

*TEMPERATURES IN °F

*DEFLECTIONS IN INCHES

*LOADS IN THOUSANDS OF POUNDS

Aborted Test - See Re-run 1.1, Fig. 232

CAL¢ GHEGK APPD	STRICKLAND	7/2/2	E. S.	7/23/	CORRUGATED SHEAR WEB PAREWA NO. 05652 SPEC. COND. NO. 01 RUN 01	1122
APPO					THE BOEING COMP	ANY FIG. 213

U3 4036 3000

REQ 10388

TIME SEC.			T-03'	T-04	3-3 T-05 RENHEIT	T-04	7-3 1-07
33.2 65.6 98.0	7 94.49 7 113.0 7 165.8	92.02 94.65 126.3	84.34 84.34	86.89 84.26 89.52 97.41	97.13 97.13 139.4 213.0	99.77 97.13 139.4 215.7	92.2 121. 170.
130.4 162.8 195.2 227.6 258.99	7 292.3 7 330.5 7 368.6 9 393.2	226.0 260.0 308.2 343.5	178.7 212.6 249.2	131.6 147.4 181.4 220.6	241.9 292.3 330.5 417.1 488.1	284.1 327.7 417.1 490.7	186.5 215.5 244.0 315.8 407.8
447.99 480.39 512.79 545.10 577.59	417.1	327.2 343.5 362.5 381.6 411.0	· 291.4 · 296.8 · 313.0	280.7	207.8 308.7 341.4 333.2 409.2	. 286.4	244.0
609.99 642.39 674.79 707.19 739.59	572.3 611.7 638.0	460.9 500.2 531.7 584.1 613.0	364.5	332.2	422.3 459.2 453.9 493.4	448.6 482.8 472.3	405.0 433.7 399.7
771.99 804.39 836.79 869.19 901.59	732.7 776.6 807.3 838.0 863.6	647.1 699.5 736.2 754.5 782.5	506.8 543.4 577.4 608.8 634.9	441.9 473.3 504.6 536.0 557.0	593.3	574.9 606.5 619.6 627.5 617.0	538.3 556.6
933.99 966.39 998.79 9031.19 1044.69	937.7	838.6	689.8 721.1	585.8 609.3 635.5 666.9 677.3	617.0 640.6 667.0 703.8 719.6	630.1 661.7 672.2 709.0 719.6	
1077.09 1109.49 1141.89 1174.29 206.69	1025. 1025. 1007. 1012. 1009.	930.3 935.4 915.0 915.0	795.6 818.4 826.1 833.7 836.2	740.1.	727.4 743.2 719.6 714.3 711.7	719.6 698.5 680.1 680.1 672.2	663.8 640.2 611.5 603.6 606.3
239.09 271.49 303.89 336.29 368.69	1007. 1009. 1011. 1025. 1015.	907.4 909.9 912.5 920.1 909.9	841.3 846.4 846.4 851.4	791.3 793.8 796.3 796.3 798.9	730.1 738.0 743.2 740.6 703.8	682.7 693.3 695.9 698.5	611.5 638.9 611.5 611.5
HECK Sta	221) pp 4/202	REVISED DATE	CORRUGA	05652		L EC4 0302 N 01	EWA 5-652 D2-80081
ONTRACT NO. 6 5553 7450							PAGE PAGE 2.5000

TIME SIL.	3-2 T-01	4-2 T-02	7-2 1-03	8-2 1-04	3-3 T-05	4-3 T-06	7-3 1-07
0.00			DEG	REES FAHRI	enhe I T	******	••••
1401.09	1103.	932.8 971.1	859.1 869.2	804.0	774.1	738.0 776.6	661.1 708.2
1465.80		1015.	894.6	826.9	871.2	845.7	767.8
1498.29	1170.	1056.	955.6	908.2	1224.	1160.	1045.
1330.64	1160.	1084.	1035.	1013.	1191.	1160.	1076.
1563.09	1035.	1017.	1019.	997.2	701.1 456.5	659.1 395.9	608.9 372.7
1627.89	835.4	820.7	866.7	844.7	363.2	295.0	275.3
1660.29	774.1	754.5	800.7	783.6	376.8	308.7	275.3
1692.69	716.9	699.5	739.4	724.4	292.3	226.2	204.8
1725.09	664.3	631.3	679.3	666.9	249.8	192.0	176.1
1757.49	614.3	589.4	627.0	614.5	223,6	171.0	157.8
1789.89	574.9	552.7	582.6	572.7	207.8	160.5	147.4
000.00	* 223.8	*176.2	*194.6	*186.7	**99.71 -	+91.86-	-*86×91

CALC	06/22/2	REVISED	DATE		EWA
CHECK	Stapp 6/27/2			CORRUGATED SHEAR WEB PANEL - EWA NO. 05652 SPEC. 030	5-652
APR	//			- EWA NO. 05652 SPEC. 030: - COND. NO. 01 RUN 01	DZ-8008/
APR				THE BOEING COMPANY	DL-0008/
	<u> </u>				PAG
CONTRA	ACT NO.				F16.215
U6 5553	7450				2 3000

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TIME SEC.	8-8 30-T	4-13 T-09	4-4 T-10	7-4 T-11 REES FAHRI	8-4 T-12 Enheit	T-13	4-5 T-14
.33 .87 33.27 65.67 98.07	92.24 92.24 110.6 150.0 160.4	86.75 86.75 97.29	102.4 102.4 102.4 107.7 113.0	123.6 123.6 128.9 131.5 134.2	. M	139.4 139.4 139.4 147.4 150.0	97.37 102.6 107.9
130.47 162.87 195.27 227.67 258.99	157.8 181.3 202.2 267.4 364.4	113.1 121.0 128.9 144.7 176.2	118.3 123.6 131.5 144.7 173.6	134.2 139.5 142.1 147.4 160.5	- OPENED AVAILABLE	150.0 152.6 155.3 160.5 181.5	123.7 128.9 136.8 152.6 181.4
447.59 480.39 512.79 545.19 577.59	147.4 230.9 337.3 367.1 383.3	165.7 176.2 202.4 233.8 260.0	165.8 173.6 199.9 220.9 241.9	160.5 160.5 173.6 191.9 215.5	CIRCULT NO DATA	160.5 165.8 181.5 205.1 228.8	176.2 181.4 202.3 233.7 257.2
609.99 642.39 674.79 707.19 739.59	386.0 417.9 369.8 396.9 451.8		260.3 281.3 294.9 311.3 338.5	236.5 260.0 286.5 324.5 376.2	B0.21	247.1 273.4 294.9 330.4 379.4	275.5 297.1 305.2 318.8 343.2
771.99 804.39 836.79 869.19 901.59	478.0 506.7 522.4 538.1 551.1	368.0 400.5 432.0 466.1 494.9	376.7 411.7 453.7 490.5 524.7	479.3 529.2	30.21 38.96 56.47 65.42 65.22	430.1 480.0 524.7 564.1 606.2	
933.99 966.39 998.79 1031.19 1044.69	572.0 606.0 621.6 655.6 679.1	523.8 563.1 597.2 628.7 647.0	561.5 598.3 629.8 666.6 682.4	642.0 673.5 705.0 746.9 764.9	65.22 73.97 82.62 91.04 99.46	637.7 671.9 703.4 745.5 763.5	539.0 573.0 604.4 638.5 651.6
1077.09 1109.49 1141.89 1174.29 1206.69	658.2 629.5 603.4 579.8 585.1	678.5 689.0 686.4 678.5 668.0	711.3 724.5 719.2 711.3 703.4	782.7 777.6 762.3 744.3 733.8	91.04 91.04 107.9 107.9	783.9 776.3 755.8 735.0 721.8	680.4 696.1 701.3 698.7 690.8
1239.09 1271.49 1303.89 1336.29	590.3 572.0 577.2 574.6 595.5	668.0 652.3 652.3 644.4 652.3	698.2 695.5 690.3 687.7 692.9	731.2 723.3 720.7 720.7 720.7	107.9 1/16.3 1/16.3 1/16.3	716.6 716.6 721.8 721.8 716.6	688.2 685.6 683.0 683.0
	22/2 LAND 7/20/62	REVISED DA	CORRUGA EWA NO	ATED SHEAR 0. 05652 NO. 01 THE BOEIN	SP	EC. 0302	EWA 5-652 DZ-80081
CONTRACT NO. U6 5553 7450							F1G. 216

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PRINTED BY THE STANDARD RECISTER CORPANY, U.S.A.

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	8-3	4-13	4-4	7-4	8-4	3-5	4-5
TIME	90-T	T-09	T-10	T-11	T-12	T-13	T-14
SEC.	~~~~		DEG	REES FAHRE	NHEIT	*******	1 - 1 - 7
1401.09		657.5	695.5	731.2	116.3	724.5	688.2
1433.49		683.8	.719.2	772.5	1/24.1	766.1	
1465.89		715.2	750.7	823.5	1/16./3	814.6	706.6 735.4
1498.29	978.1	777.4	9.608	884.7	183.2	870.8	791.8
153C.69	1001.	843.6	863.1	920.4	116/3	904.0	845.2
					10/3	704.0	043.2
1563.C9	613.8	833.4	858.0	897.4	111/.3	870.8	835.0
1595.49	399.6	764.6	809.5	826.0	133.2	783.9	786.7
1627.89	299.4	696.9	753.3	757.2	124.7	706.1	722.3
1660.29	283.2	639.2	692.9	697.1	13/3.2	645.6	664.7
1692.69	225.7	586.7	640.3	644.6	116.3	593.0	612.3
					. / 5 / 5	373.0	012.5
1725.09	194.4	536.9	590.4	594.8	124.7	545.7	562.5
1757.49	176.1	489.7	543.1	552.8	1/33.2	503.7	520.6
1789.89	165.7	455.6	506.3	513.4	124.7	469.5	478.7
000.00	*86.93	*134.1		*163.2		40783	*131.5
							-15105

CALC	06/22/2	REVISED	DATE		EWA .
CHECK	STRYKLAN: 7/20	67		CORRUGATED SHEAR WEB PANEL EWA NO. 05652 SPEC. 0302	5-652
APR				COND. NO. 05652 SPEC. 0302 COND. NO. 01 THE BOEING COMPANY	D2-8000.
				THE SOUND COMPANY	PAGE
CONTRA					F16.217

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T	IME EC.	7-5 T-15	T-16		4-6 T-18 REES FAHRE	7-6 T-19	8-6 T-20	3-7 1-21.
65	.33 .87 3.27 5.67	92.12 92.12 113.2 152.6 160.5	97.37 97.37 134.2 212.8	83.87 83.87 86.52 91.81	92.03	86.89 86.89 92.15		105.1 105.1 139.4 220.8 244.4
162 195 227	2.87 2.87 3.27 3.97	163.1 186.6 212.8 283.5 370.3	275.5 321.5	118.3 134.1 160.5 192.1 231.5	254.7 291.8 340.7	123,7	375.2 425.7	322.0
447 480 512 545	- 99 - 39 - 79 - 19 - 59	142.1 223.2 310.6 326.9 354.0	184.0 280.8 329.6 332.4 402.8	273.6 281.5 292.4 303.3 319.7	346.2 367.9 392.4 416.2 452.9	228.4 238.8 254.5 257.1 272.8	243.9 383.3 438.7 441.3 538.0	
642 674 707	.99 .39 .79 .19	362.1 392.0 351.3 383.8 439.4	421.1 463.0 452.6 481.4 541.6	338.8 357.9 379.7 404.1 433.0	494.9 536.8 578.8 812.8 665.3	283.4 294.2 307.8 324.1 343.1	545.8 577.1 556.2 598.0 665.9	582.2 616.3 540.1 579.5 655.7
771 804 836 869 901	• 39 • 79 • 19	460.3 494.4 507.5 523.2 520.5	554.7 586.1 594.0 604.4 586.1	464.6 496.2 530.4 559.4 585.7	704.6 746.6 782.3 812.9 838.4	362.0 386.4 410.5 431.4 452.3		687.2 726.6 742.4 747.6 742.4
933. 966. 998. 1031.	• 39 • 79 • 19	544.1 559.8 572.9 599.1 625.3	607.1 635.9 649.0 680.4 698.7	612.0 638.3 664.7 696.2 709.4	868.9 904.6 932.6 978.5 988.7	470.6 491.6 520.3 541.3 557.0	728.6 777.4 787.6 833.3 851.0	770.7 808.9 821.7 849.8 867.6
1077. 1109. 1141. 1174. 1206.	.49 .89 .29	609.6 586.0 549.3 544.1 546.7	696.1 685.6 662.1 659.4 651.6	743.6 771.9 787.3 794.9 794.9	996.3 996.3 978.5 970.8 968.3	585.8 617.2 640.7 661.6 677.3	848.5 835.8 848.5 858.6 856.1	847.2 816.6 819.2 819.2 808.9
1239. 1271. 1303. 1336. 1368.	89 29	552.0 554.6 565.0 552.0 549.3	683 . 0 677 . 8	802.6 805.2 807.7 810.3 812.8	965.7 958.1 960.7 963.2 963.2	695.7 703.5 714.0 716.6 724.4	866.3 868.8 976.4 876.4 866.3	814.0 821.7 837.0 831.9 819.2
CALC CHECK APR	8ty/	(4)29/2	REVISED DATE	- EWA NO	ATED SHEAR 05652 NO. 01	SP	L EC. 0302 N 01	EWA 5-652 02-80051
					THE BUEIN	IO COMPAINT		PAGET :
CONTRAC	CT NO.		•					FIG. 218

CONTRACT NO. U6 5553 7430

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TIME	7-5	8-5	3-6	4-6	7-6	8-6	3-7
SEC.	T-15	T-16	T-17	T-18	1-19	T-20	T-21
360.			DEG	REES FAHRI	ENHEIT	*****	
1401.09	596.5	724.9	815.4	986.1	737.5	927.2	898.3
1433.49	643.6	751.1	825.6	1022.	748.0	962.7	949.3
1465.89	709.0	829.9	846.1	1050.	768.4	1029.	1011.
1498.29	946.8	1155.	917.7	1110.	842.1	1430.	1282.
1530.69	959.5	1142.	1023.	1138.	951.4	1456.	1267.
1563.09	541.5	633.3	1010.	1048.	951.4	767.3	742.4
1595.49	340.4	378.5	927.9	927.5	893.0	504.0	477.1
1627.89	249.4	286.2	848.7	830.7	837.0	433.5	384.6
1660.29	246.7	294.4	779.6	754.3	796.3	485.7	421.9
1692.69	186.6	212.8	712.0	688.9	755.7	377.9	335.6
1725.09	160.5	176.2	651.5	631.2	719.2	334.6	. 294.8
1757.49	147.4	160.5	598.9	578.8	685.2	312.9	273.3
1789.89	139.5	150.0	551.5	536.8	656.4	294.0	257.6
000.00	+86.95	*86.95	*165.8	* 176.3	*313.8	+136.9	*118.3

CALC	06/22/2	2	REVISED	DATE		EWA
CHECK	Stopp	6/39/2			CORRUGATED SHEAR WEB PANEL EWA NO. 05652 SPEC. 0302	5-65?
APR	17/				EWA NO. 05652 SPEC. 0302 COND. NO. 01 RUN 01	D2-800.
APR	<u> </u>				THE BOEING COMPANY	Da-GUUG,
			<u>i</u>			PA
CONTRA	CT NO.					F16,210

U6 5553 7450

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TIME SEC.	4-7 T-22	7-7 1-23	8-7 T-24	3-8 T-25	4-8 T-26	7-8 T-27	8-8 T-29
	•		DEG	REES FAHR	ENHEIT		***
- 33	86.68	73.36	97.34	97.01	97.12	01.00	00.0
.87	84 . C5	78.83		97.01		91.99	
33.27	86.68	81.51	123.7	110.3			94.6
65.67	94.60	89-41	160.5	139.4	105.1	91.97	92.0
98.07	105.2	94.68	170.9	152.6			97.3
		7 4 8 0 0	11047	13440	113.0	102.5	102.
130.47	110.4	105.2	176.2	152.6	118.3	110.4	113.
162.87	123.6	118.4	202.3	171.1	123.6	118.4	123.
195.27	134.2	136.8	231.1	197.4	128.8		136.
227.67	160.5	170.9	335.2	289.9		150.0	160.
258.99	202.4	212.8	437.0	404.5	181.5	176.2	181.
447.99	186.7	249.5	186.6	171.1	181.5	21.1. 7	
480.39	202.4	257.3	294.5	265.9	192.0	244.3 254.8	. 244.
512.79	241.8	275.7	403.0	393.7	231.5	260.1	254.
545.19	285.6	286.4	416.1	428.2	270.9	267.9	259.
577.59	319.2	308.1	442.3	438.8	308.7	273.2	262. 273.
609.99	346.4	321.7	431.8	423.0	327.8		
642.39	379.1	340.7	458.0	454.6	355.0	281.1 291.7	280.
674.79	389.9	357.0	413.4	399.2	357.8	302.8	294.
707.19	400.8	376.0	426.5	412.4	374.1	321.9	302.
739.59	427.0	395.0	476.3	470.4			321.
				71U • 4	J7.J.Y	340.9	346.
771.99 804.39	455.9	418.8	510.4	499.4	422.4	362.6	367.
836.79	490.0	442.4	544.4	533.7	45646	384.4	392.
869.19	526.8	471.2	557.5	552.1	490.8	408.6	416.
901.59	560.9	494.8	568.0	562.7	527.6	429.6	439.
, , , ,	592.4	515.8	575.9	578.5	556.6	455.8	460.
933.99	623.9	539.4	586.4	594.3	593.4	479.4	484.3
956.39	663.3	560.3	615.2	623.3	627.6	500.4	507.8
998.79	692.2	586.5	644.0	644.4	659.2	526.6	534.1
031.19	726.3	612.8	662.3		696.0	550.2	557.6
044.69	742.1	628.5	678.1	686.6	709.1	563.4	573.4
077.09	767.8	665.2	730.5	699.8	743.3	6 00 4	•
109.49	772.9	701.9	789.6	731.4	756.3	589.6	604.8
141.89	772.9	736.0	794.7	726.2		613.2	628.4
174.29	770.3	764.4	784.5	715.6	756.3 751.2	631.6	646.7
206.69	770.3	777.1	781.9	715.6		644.7	659.8
.00407	11000	1116	101.4	(13.0	748.6	657.8	673.0
39.09	767.8	794.9	781.9	710.3	746.0	665.7	683.4
71.49	767.8	805.1	781.9	710.3	74343	676.2	693.9
03.89	767.8	810.2	781.9	713.0	746.0	681.4	704.4
36.29	770.3	810.2	771.8	707.7	746.0	689.3	709.6
68,69	767.8	817.9	792.1	726.2	748.6	697.2	717.5
	22/2	REVISED DA	i				EWA
ECK Stop	1) 4/29/2			TED SHEAR			5-652
R	1- 4/32/2			05652		PEC. 0302	
R			COND.	NO. 01	RL	JN 01	DZ-8008
				THE BOEIN	NG COMPANY		PAGE
							F16.22
NTRACT NO.							11 11 12 11 1

TIME SEC.	4-7 T-22	7-7 T-23	8-7 T-24	3-8 T-25 REES FAHRI	4-8 T-26 ENHEIT	7-8 T-27	8-8 T-29
1401.09 1433.49 1465.89 1498.29 1530.69	778.0 808.6 844.3 903.0 954.0	820.4 830.6 843.3 920.9 1058.	835.4 858.3 896.5 1316. 1349.	765.3 801.1 837.0 1170. 1224.	753.8 779.3 815.1 866.2 914.8	702.4 715.6 733.9 767.5 818.5	728.0 741.1 761.7 820.3 884.0
627.89 660.29 692.69	854.5 788.2 731.6 681.7	945.2 853.5 784.7 720.2	455.4 375.9 400.3 291.7	467.8 366.4 355.5 287.2	835.6 769.1 706.5 648.6	836.4 826.2 813.4 793.0	861.0 845.8 825.4 807.6
725.09 757.49 789.89 000.00	637.1 595.1 558.3 *218.6	657.3 . 599.6 552.5 *160.5	241.6 218.0 202.3 *87.40	255.3 229.0 213.2 *86.35	596.0 548.7 509.2 *155.3	775.2 754.8 731.3	782.1 759.2 738.5 *\\(39.6\)
֡֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	\$EC. 1401.09 1433.49 1465.89 1465.89 1465.89 1530.69 1530.69 1563.09 1595.49 1660.29 1692.69 725.09 757.49 789.89	TIME T-22 SEC. 778.0 1401.09 778.0 1433.49 808.6 1465.89 844.3 1498.29 903.0 1530.69 931.0 1563.09 931.0 1563.09 931.0 1563.09 931.0 1563.09 931.0 1563.09 931.0 1575.49 854.5 789.89 637.1 725.09 637.1 725.09 637.1 757.49 595.1 789.89 558.3	TIME T-22 T-23 1401.09 778.0 820.4 1433.49 808.6 830.6 1465.89 844.3 843.3 1498.29 903.0 929.9 1530.69 931.0 1040. 1595.49 854.5 945.2 1627.89 788.2 853.5 1660.29 731.6 784.7 1692.69 681.7 720.2 725.09 637.1 657.3 757.49 595.1 599.6 789.89 558.3 552.5	TIME	TIME	TIME SEC. T-23 T-24 T-25 T-26 1401.09 778.0 820.4 835.4 765.3 753.8 1433.49 808.6 830.6 858.3 801.1 779.3 1465.89 844.3 843.3 896.5 837.0 815.1 1198.29 903.0 929.9 1316. 1170. 866.2 1530.69 954.0 1058. 1349. 1224. 914.8 1563.09 931.0 1040. 717.4 686.6 902.0 1595.49 854.5 945.2 455.4 467.8 835.6 1627.89 788.2 853.5 375.9 366.4 769.1 1660.29 731.6 784.7 400.3 355.5 706.5 1692.69 681.7 720.2 291.7 287.2 648.6 725.09 637.1 657.3 241.6 255.3 596.0 757.49 595.1 599.6 218.0 229.0 548.7 789.89 558.3 552.5 202.3 213.2 509.2	TIME SEC. T-23 T-24 T-25 T-26 T-27 T-20 T-23 T-24 T-25 T-26 T-27 T-21 T-22 T-23 T-24 T-25 T-26 T-27 T-21 T-22 T-23 T-24 T-25 T-26 T-27 T-22 T-23 T-24 T-25 T-26 T-27 T-24 T-25 T-26 T-27 T-27 T-26 T-27 T-28 T-28 T-26 T-27 T-28 T-26 T-26 T-26 T-27 T-28 T-28 T-26 T-26 T-27 T-28 T-28 T-26 T-26 T-27 T-28 T-28 T-26 T-26 T-27 T-28 T-26 T-26 T-26 T-27 T-28 T-28 T-26 T-26 T-27 T-28 T-28 T-26 T-26 T-27 T-28 T-28 T-26 T-26 T-27 T-28 T-28 T-26 T-26 T-27 T-28 T-28 T-26 T-26 T-27 T-28 T-28 T-26 T-26 T-27 T-28 T-28 T-26 T-26 T-27 T-28 T-28 T-26 T-26 T-27 T-28 T-28 T-28 T-26 T-28 T-28 T-28 T-26 T-28 T-28 T-28 T-28 T-28 T-28 T-28 T-28 T-28 T-28 T-28 T-28 T-28 T-28 T-28 T-28 T-28 T

CALC	06/22/	72	REVISED	DATE	(EWA
CHECK	Stone	1/39/2			CORRUGATED SHEAR WEB PANEL	5-652
APR	1/				EWA NO. 05652 SPEC. 0302	
APR					D2-80081	
					THE BOEING COMPANY	
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ONTRA	CT NO.				,	F16.221

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TIME SEC.	3-9 T-30	T-31	7-9 T-32	8-9 T-33	3-10 1-34	4-10 T-35	7-10 T-36
			UE(GREES FAHRE	NHEIT	***	
.33 .87 33.27 65.67 98.07	105.0 105.0 118.2 152.6 192.1	107.6 110.2 123.5 155.3 184.3	105.1	105.3 102.7 113.2 150.0 186.6	78.67 78.67 84.00	84.11 81.48 86.75 92.02 97.29	79.03 81.69 81.69
130.47 162.87 195.27 227.67 258.79	213.2 250.1 284.5 322.7 358.2	213.3 244.9 284.6 320.1 353.0	189.4 218.3 249.8 281.3 314.0	204.9 233.6 270.2 307.7 340.3	91.92 91.92 94.56 99.84 118.3	97.29 105.2 107.8 121.0 136.8	86.95 86.95 92.20 108.0
447.99 480.39 512.79 545.19 577.59	306.3 320.0 317.2 309.0 328.2		349.4 360.3 354.9 352.2 368.5	318.6		147.4 155.2 171.0 199.8 220.7	129.0 131.6 142.1 163.1 178.7
609.99 642.39 674.79 707.19 739.59	366.4 401.9 438.8 470.4 512.6	404.8 431.2 462.8 497.1 542.0	393.0 416.9 443.2 474.8 511.6	364.7 399.9 426.1 462.7 499.3	220.8 239.2 257.6 273.3 303.0	239.0 265.2 283.7 297.3 332.6	194.4 212.7 233.5 254.9 299.5
771.99 804.39 836.79 869.19 901.59	539.0 573.2 597.0 618.1 639.2	576.3 610.6 642.3 671.3 700.3	669.3	583.0 609.2 630.1	338.4 373.8 411.5 456.1 487.7	367.9 405.8 450.4 487.1 521.2	334.7 372.7 410.2 446.8 478.2
933.99 966.39 998.79 031.19	655.0 697.2 726.2 770.4 785.8	724.1 771.0 799.2 842.8 855.6	700.9 742.9 771.2 812.1 824.9		521.8 553.3 584.9 619.0 632.2		-
077.09 109.49 141.89 174.29 206.69	796.0 757.6 734.1 726.2 728.8	868.4 842.8 824.8 819.7 817.1	845.3 842.7 835.1 830.0 827.4	783.4 758.0 737.3 734.7 742.6	668.9 679.4 684.7 684.7	699.5 707.4 710.0 707.4 707.4	637.7 642.9 648.1 648.1
239.09 271.49 303.89 336.29 368.69	742.0 744.6 747.3 755.0	817.1 817.1 819.7 822.3 822.3	830.0 830.0 830.0 832.5 832.5	747.8 752.9 760.6 765.6 765.6	682.1 679.4 679.4 674.2 679.4	704.7 702.1 704.7 704.7 704.7	645.5 645.5 545.5 642.9 645.5
ALC 06/ HECK Stayy	22/2	REVISED DA	EWA NO	ATED SHEAR 0. 05652 NO. 01	SF	EC. 0302	EWA 5-652
PR			COND		RU IG COMPANY	JN 01	D2-80081
					- GOMINI		PAGE]
NTRACT NO.							FIG. 222
NIKACI NO.							17/13. 66

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10204	
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10044	
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TIME	3-9	4-9	7-9	8-9	3-10	4-10	7-10
SEC.	T-30	T-31	T-32	7-33	T-34	T-35	T-36
3.0.			DEG	REES FAHR	ENHEIT		
1401.09	770.4	837.7	845.3	780.9	684.7	707,4	650.7
1433.49	811.6	868.4	870.8	816.5	697.8	731.0	676.9
1465.89	847.3	901.8	901.5	849.5	734.6	769.7	713.5
1498.29	898.5	942.8	932.2	897.8	778.4	820.7	750.1
1530.69	931.8	960.8	952.6	935.9	821.8	853.8	775.5
1563.09	916.4	953.1	952.6	923.2	821.8	843.6	775.5
1595.49	867.7	919.7	934.7	869.8	796.3	810.5	765.3
1527.89	824.2	894.1	911.7	834.3	765.7	774.8	742.2
1660.29	796.0	868.4	888.7	808.8	732.0	741.4	713.5
1692.69	773.0	845.4	865.7	783.4	700.5	707.4	687.3
1725.09	749.9	822.3	840.2	760.6	671.6	678.5	658.6
1757.49	731.4	796.6	814.6	737.3	642.7	644.4	635.0
1789.89	705.1	776.1	791.7	713.8	616.4	615.6	608.9
000.00	*438.1	*501.9	*508.8	*437.3	*282.4	*287.5	#287.8

CALC	06/22/2		REVISED	DATE		FWA
CHECK	Steen	6/29/2			CORRUGATED SHEAR WEB PANEL	5-652
APR	-//				EWA NO. 05652 SPEC. 0302 COND. NO. 01 RUN 01	
APR						D2-80081
					THE BOEING COMPANY	
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CONTRA	CT NO.				, 1,	F16.223

U6 5553 7450

	171.0	228.8		186.8	186.
163.1 2	19 7. 2 220.8	284.1 322.2	228.6 254.7	207.9 231.6	207.7
192.0 2	257.6	346.8 382.2	283.7 313.6	255.2 281.6	260.2 292.2
231.3	303.0	435.4	367.9 408.4	347.1 377.1	314.0 346.6 384.8
			442.4 468.7	417.5	419.5 453.6
373.8 4	58.8	564.2	497.5	475.4	479.9 506.2
			531.6	525.4	522.0
			573.5	559.7 500.2	566.6
537.6 6	21.7	703.6	636.4	628.2	637.6
			662 .7 678 . 4	662.4 680.9	663.9 684.9
			699.4	704.6	708.5
					716.4 724.3
			688.9	730.9	726.9
632.2	95.2	579.9	686.3	733.5	737.4
				728.3	729.6
					716.4
				717.7	711.2
29.6	20.0	579.9	678.4	720.4	721.7
	192.0 205.1 231.3 3262.8 331.3 3262.8 3335.7 373.8 416.8 4450.9 511.4 537.6 6574.4 6592.8 6574.4 6592.8 6574.4 6592.8 6574.6 6774.6	192.0 257.6 205.1 273.3 231.3 303.0 262.8 338.4 297.6 376.5 335.7 419.4 373.8 458.8 416.8 495.6 450.9 527.1 479.8 561.3 511.4 592.8 537.6 621.7 574.4 663.7 692.8 679.5 32.2 692.6 632.2 695.2 632.2 695.2	192.0 257.6 382.2 205.1 273.3 395.8 231.3 303.0 435.4 262.8 338.4 495.9 297.6 376.5 522.2 335.7 419.4 545.8 373.8 458.8 564.2 416.8 495.6 569.5 450.9 527.1 580.0 479.8 561.3 656.3 511.4 592.8 690.4 537.6 621.7 703.6 574.4 663.7 722.0 592.8 679.5 748.3 519.1 700.5 735.1 527.0 700.5 703.6 632.2 700.5 693.1 632.2 695.2 679.9 632.2 695.2 643.1 632.2 692.6 635.2 677.0 692.6 635.2 627.0 690.0 643.1	192.0 257.6 382.2 313.6 205.1 273.3 395.8 338.0 231.3 303.0 435.4 367.9 262.8 338.4 495.9 408.4 297.6 376.5 522.2 442.4 335.7 419.4 545.8 468.7 373.8 458.8 564.2 497.5 416.8 495.6 569.5 521.1 450.9 527.1 580.0 531.6 479.8 561.3 656.3 573.5 511.4 592.8 690.4 610.2 537.6 621.7 703.6 636.4 574.4 663.7 722.0 662.7 592.8 679.5 748.3 678.4 519.1 700.5 735.1 699.4 632.2 700.5 703.6 694.1 632.2 700.5 693.1 688.9 634.8 692.6 685.2 688.9 632.2 695.2 643.1 681.0 632.2 692.6 611.6	192.0 257.6 382.2 313.6 281.6 205.1 273.3 395.8 338.0 308.9 231.3 303.0 435.4 367.9 347.1 262.8 338.4 495.9 408.4 377.1 297.6 376.5 522.2 442.4 417.5 335.7 419.4 545.8 468.7 446.4 373.8 458.8 564.2 497.5 475.4 416.8 495.6 569.5 521.1 499.1 450.9 527.1 580.0 531.6 525.4 479.8 561.3 656.3 573.5 559.7 511.4 592.8 690.4 610.2 599.2 537.6 621.7 703.6 636.4 628.2 574.4 663.7 722.0 662.7 662.4 592.8 679.5 748.3 678.4 680.9 532.2 700.5 735.1 699.4 704.6 627.0 700.5 703.6 684.9 730.9 632.2 695.2

	TIME SEC.	8-10 T-37	3-11 T-38	4-11 T-39	7-11 T-40	8-11 T-41	3-12 T-42	4-12 T-43
	,			0.0	NEES FARK	ENHEIT	*****	***
1	401.09 433.49 465.89 498.29 530.69	622.9 651.7 691.0 730.3 746.0	632.2 655.8 684.7 721.5 747.8	700.5 732.0 770.8 811.7 837.2	708.8 773.9 817.3 871.0 883.8	691.5 725.6 761.9 818.0 861.3	730.9 757.0 787.8 818.5 844.1	737.4 760.8 791.4 822.1 845.0
10	563.09 595.49 627.89 560.29	740.8 727.7 709.4 688.4 670.1	750.4 742.5 724.2 703.1 679.5	827.0 796.3 763.2 732.0 700.5	799.4 666.8 590.5 545.8 498.5	833.3 761.9 704.6 657.4 612.8	854.3 823.6 790.3 751.9 717.7	852.7 819.5 783.8 748.0 711.2
17	757.49 789.89 100.00	651.7 628.2 607.2 *312.0	658.5 634.8 611.2 *321.2	669.0 640.1 611.2 *288.2	464.3 432.8 406.5 *152.6	570.9 536.8 502.7	680.9 644.0 612.4 *266.7	679.6 642.8 611.3 +266.5

CAIC .	06/22/	REVISED	DATE		EWA
CHECK	Stepp 6/2012			CORRUGATED SHEAR WEB PANEL	5-652
APR				ENA NO. 05652 SPEC. 0302 COND. NO. 01 RUN 01	
APR					D2-80081
				THE BOEING COMPANY	
					PAC
ONTTAC	Y NO.				FIG. 225

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7-12
                      8-12
   TIME
                      T-45
            T-44
   SEC.
            DEG F
                       DEG F
     233
            91.86
                      94.73
     .87
            94.50
                      97.36
  .34.27
            94.50
                      00.00
   65.67
            99.79
                      107.9
   98.07
            105.1
                      107.9
  130.47
            105.1
                      107.9
 162:87
            113.0
                      128.9
  195.27
            136.8
                      160.5
  227.67
            150.0
                      176.2
 258.99
            178.9
                      215.4
 447.99
            171.0
                      168.3
                     181.4
 480.39
            176.3
            194.6
 512.79
                      223.2
 545.19
           228.8
                      267.7
 577.59
           262.9
                      307.9
 509.99
           292.3
                      337.8
 642.39
           325.0
                      375.8
 674.79
           349.5
                      405.4
 707.19
           382.2
                      431.6
 739.59
           427.5
                      489.2
 771.99
           461.7
                      520.7
           490.6
 804.39
                      544.2
                      565.2
           514.3
 836.79
 869.19
           532.7
                      573.0
 901.59
                      583.5
           548.5
 933.99
           590.5
                      646.3
           630.0
                      688.2
 966.39
 998.79
           658.9
                     714.4
1031.19
           685.2
                     730.1
           698.4
1044.69
                      756.2
1077.09
           722.0
                     761.2
1109.49
           716.8
                     735.4
1141.89
           711.5
                     724.9
1174.29
           708.9
                     719.7
                     717.1
1206,69
           706.2
           695.7
                     693.5
1239.09
1271.49
           669.4
                     659.4
           666.8
                     677.8
1303.89
1336.29
           672.1
                     680.4
1368.69
           690.5
                     706.6
                     REVISED
                            DATE
      06/22/2
                                                                         EWA
CALC
                                 CORRUGATED SHEAR WEB PANEL
                                                                        5-652
CHECK
               129/2
                                 EWA NO. 05652
                                                          SPEC- 0302
APR
                                 COND. NO. 01
                                                          RUN 01
                                                                        DZ-8008
APR
                                           THE BOEING COMPANY
                                                                        PAGE
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CONTRACT NO.

2-5000

2.5000

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	IME EC.		-2 -01	5-2 0-02	6-2 0-03	1-3 D-04 INCHES-	2-3 D-05	5-3 0-06	6-3 D-07
6	.33 .87 3.27 5.67 8.07	0.	0 19- 0 19- 0 19- 0 19-	0.003 0.003 0.013	0.003- 0.001 0.001- 0.000 0.003-	0.009 0.005 0.005 0.009 0.010	0.003- 0.001 0.003- 0.003- 0.003	0.003 0.000 0.003 0.003 0.003	0.000 0.006 0.006 0.005 0.006
16 19 22	0.47 2.87 5.27 7.67 8.99	0.	027- 021- 023- 025- 029-	0.011 0.011 0.015	0.001- 0.003- 0.003- 0.007- 0.003-	0.007 0.014 0.016 0.020 0.029	0.000 0.003 0.000 0.001 0.005	0.001- 0.003 0.005 0.005 0.003	0.003 0.003 0.005 0.010 0.003
48 51 54	7.99 0.39 2.79 5.19 7.59	0. 0.	027- 025- 027- 025- 025-		0.007- 0.013- 0.011- 0.011- 0.013-	0.023 0.027 0.032 0.030 0.038	0.003 0.000 0.005 0.003 0.011	0.005 0.005 0.003 0.005 0.005	0.006 0.008 0.003 0.006 0.013
642 671 70	9.99 2.39 4.79 7.19 9.59	0.	035- 023- 031- 035- 027-	0.033 0.041 0.043 0.043 0.046	0.011- 0.013- 0.003- 0.007- 0.013-	0.038 0.045 0.050 0.050 0.054	0.012 0.012 0.014 0.018 0.018	0.005 0.001 0.003- 0.003 0.003-	0.008 0.010 0.006 0.010 0.006
801 836 869	1.99 4.39 5.79 9.19	0.	033- 035- 035- 029- 027-	0.063 0.059 0.071 0.078 0.088	0.009- 0.018- 0.013- 0.018- 0.017-	0.065 0.069 0.078 0.083 0.088	0.022 0.022 0.027 0.025 0.025	0.005- 0.011- 0.013- 0.025- 0.025-	0.003 0.006 0.012 0.012 0.006
966		0.0 0.0) 43-) 43-) 43-) 43-	0.093 0.099 0.101 0.112 0.116	0.018- 0.009- 0.020- 0.018- 0.015-	0.096 0.099 0.099 0.110 0.114	0.029 0.032 0.034 0.032 0.034	0.021- 0.019- 0.034- 0.031- 0.027-	0.013 0.012 0.013 0.013 0.015
1077 1109 1141 1174 1206	.49 .89 .29	0.0)35~)37+)31-)41-		0.020- 0.018- 0.011- 0.009- 0.015-	0.119 0.119 0.121 0.127 0.119	0.040 0.040 0.032 0.029 0.032	0.034- 0.034- 0.032- 0.036- 0.034-	0.017 0.015 0.019 0.020 0.020
1239 1271 1303 1336 1368	.49 .89 .29	0.0	39- 47- 39- 41- 41-	0.114 0.119 0.116	0.020- 0.018-	0.127 0.125 0.128 0.123 0.123	0.034 0.029 0.034 0.032 0.031	0.034- 0.034- 0.032- 0.038- 0.029-	0.019 0.022 0.022 0.017 0.017
CALC CHECK APR APR		1	1.129/2 1-6-62	REVISED DATE			SPE	EC. 0302	EWA 5-652 D2-80081
CONTRA	CT NO	1					· · · · · · · · · · · · · · · · · · ·		F16.227
CONTRA	CI NO								

244

U6 555377450

1						
TIME SEC.	7-12 T-44 DEG F	8-12 T-45 DEG F				
1401.09 1433.49 1465.89 1498.29 1530.69 1563.09 1595.49 1627.89 1660.29 1692.69 1725.09 1757.49 1789.89	708.9 748.3 786.7 842.9 896.6 878.7 789.3 722.0 666.8 616.8	735.4 786.7 832.5 901.2 939.4 865.6 745.9 667.3 617.5 565.2	•	,	b.	
CC:.00	* 189. 5	* 173.0				

	CALC 06/2		2	REVISED	DATE		EWA
	CHECK	Stoup	1/22/2			CORRUGATED SHEAR WEB PANEL - EWA NO. 05652 SPEC. 0302	5-652
	APR	77				- EWA NO. 05652 SPEC. 0302 - COND. NO. 01 RUN 01	D2-80061
						THE BOEING COMPANY	UZ-8006:
		·	للـــــــل			1	PAC
2440	CONTRA	CT NO.					F16.228
	U6 5553	7450					2.5000

		,					. 10
TIME SEC.	1-2 0-01	5-2 0-02	6-2 D-03	1-3 D-04 Inches	2-3 0-05	5-3 0-06	6-3 0-07
				THUILS		~~~~~	
1401.09 1433.49 1465.89 1498.29 1530.69	0.041- 0.037- 0.047- 0.045- 0.051-	0.119 0.127 0.127 0.136 0.153	0.018- 0.018- 0.011- 0.026- 0.015-	0.130 0.136 0.139 0.154 0.172	0.042 0.036 0.042 0.049 0.049	0.031- 0.034- 0.036- 0.040- 0.027-	0.020 0.019 0.013 0.024 0.022
1563.09 1595.49 1627.89 1660.29 1692.69	0.051- 0.043- 0.047- 0.043- 0.043-	0.138 0.129 0.121 0.108 0.103	0.015- 0.018- 0.022- 0.024- 0.022-	0.154 0.141 0.127 0.123 0.114	0.040 0.029 0.031 0.027 0.022	0.036- 0.042- 0.048- 0.046- 0.040-	0.022 0.015 0.019 0.022 0.020
1725.09 1757.49 1789.89 000.00	0.047- 0.037- 0.037- *0.033-	0.089 0.086 0.076	0.018- 0.020- 0.022-	0.103 0.096 0.096 *0.003	0.014 0.022 0.018	0.044- 0.046- 0.034-	0.019 0.020 0.020 *0.001

READ
WITH
0.019FORZEEO
NOT
SUBTRACTED

CALC	06/22/	7	REVISED	DATE			EWA
CHECK	Store	6/27/2			CORRUGATED SHEAR WEB		5-352
APR	CRIM	7-6-62			EWA NO. 05652 COND. NO. 01	SPEC. 0302 RUN 01	
APR							DZ-3065
					THE BOEING COM	IPANY	PAC .
CONTRA	CT NO.						F16.229

```
1-4
                      3-4
                                2-4
   TIME
            30-d
                      T-46
                                L-01
   SEC.
            INCHES
                      DEG F
                                POUNDS
     .33
            0.003-
                      70.34
                                0.000
     .87
            0.009-
                      70.34
                                15.17
   33.27
            0.003-
                      70.34
                                22.76
   65.67
            0.005-
                      70.34
                                15.17
  98.07
            0.001-
                      70.34
                                7.586-
 130.47
            0.000
                      73.08
                                7.586-
  150.97
           0,005-
                      73.08
                                15.17
 14411
           1.11:1.
                      14.03
                                0.000
 227.62
            0.003
                      70.34
                                22.76
 258.99
            0.001-
                      73.08
                                7.585
 447.99
            0.001-
                      73.08
                                22.76
 480.39
            0.0C5-
                    .73.08
                                7.585
 512.79
            0.003-
                      73.08
                                15.17
 545.19
            0.003-
                      73.08
                                7.585
 577.59
            0.003-
                      73.08
                                0.000
 609.99
           0.001
                      73.08
                                22.76
 642.39
           0.005-
                      73.08
                                7.585
 674.79
           0.003-
                     73.08
                                0.000
 707.19
           0.001
                     75.83
                                22.76
 739.59
           0.010-
                     75.83
                                7.585
                     75.83
 771.99
           0.009-
                                15.17
 804.39
           0.005-
                     75.83
                               22.76
 836.79
           0.009-
                     78.58
                               22.76
 869.19
           0.014-
                     78.58
                               22.76
 901.59
           0.014-
                     78.58
                               7.585
 933.99
                     78.58
           0.018-
                               15.17
 966.39
           0.012-
                     78.58
                               22.76
 998.79
           0.014-
                     78.58
                               15.17
1031.19
           0.016-
                     81.27
                               0.000
1044.69
           0.020-
                     81.27
                               15.17
1077.09
           0.021-
                     81.27
                               7.585
1109.49
           0.016-
                     83.92
                               7.585
1141.89
           0.021-
                     83.92
                               15.17
1174.29
           0.018-
                     83.92
                               0.000
1206.69
           0.016-
                     83.92
                               15.17
1239.09
                     86.56
           0.023-
                               0.000
1271.49
           0.020-
                     86.56
                               7.585
1303.89
           0.025-
                     86.56
                               7.585
                     86.56
1336.29
           0.020+
                               7.585
1368.69
           0.020-
                     89.20
                               7.586-
                     REVISED
      06/22/2
                                                                        EWA
CALC
```

CORRUGATED SHEAR WEB PANEL

THE BOEING COMPANY

EWA NO. 05652

COND. NO. 01

10 to 10 to

246

CHECK

APR

APR

CONTRACT NO. U6 5553 7450

6/27/2

7-6-62

C.P. Som

PAC

SPEC. 0302

RUN 01

5-652

DZ-80081

F16.230

TIME SEC.	1-4 D-08 INCHES	3-4 T-46 DEG F	2-4 L-01 POUNDS
1401.09 1433.49 1465.89 1498.29 1530.69	0.018- 0.021- 0.018- 0.027- 0.021-	89.20 91.85 91.85 91.85 94.49	7.585 7.586- 15.17 7.585 7.585
1563.09 1595.49 1627.89 1660.29 1692.69	0.021- 0.029- 0.021- 0.025- 0.029-	91.85 94.49 94.49 97.13 97.13	7.586- 7.585 7.586- 22.76 0.000
1725-09 1757-49 1739-89 000-00	0.027- 0.029- 0.027- *0.063	97.13 97.13 97.13	7.585 7.585 15.17 *7.552

NO LOAD APPLIED

CALC	06/22/	/2	REVISED	DATE	COOLIGATED CHEAD		04116	EWA
CHECK	Stayote	6/29/2			CORRUGATED SHEAR W EWA NO. 05652	IEB	SPEC. 0302	5-652
APR	CRAM	7-6-62			COND. NO. 01		DIINI AI	D2-8008
APR					THE BOEING	СОМ		Dr. acc
			,		·			PAC
ONTRA	CT NO.							F16.23

TEMPERATURES, DEFLECTIONS & LOADS

		THE BOEING COMPANY	FIG. 232
APPD		COND. NO. O1 RUN 1.1	D2-80081
CHECK		CORRUGATED SHEAR WEB PANEL EWA NO. 05652 SPEC 0302	EWA 5-657
SALG STRICKLAND 7/2/2	REVISED DATE		
DEFLECTION IN IN LOADS IN THOUSAN	ICHES		
*TEMPERATURES IIN	/		eavii Madi
APPROVED BY	Nawie	Clofe The INSTRUMENTA	TION TAR
,	± 100 pound	ds	
D-02, D-01, LOAD	D-06, D-08 = D-03, D-04,	= ± 0.005 inches D-05, D-07 = ± 0.020 inches	
EDI'S	LES ± 45°F		
D-08, T-46, L-0)1	••••••••••••••	281-286
D-01, D-02, D-0	3. D-04. D-0	5. D-06. D-07	FIGURE NO.
*DEFLECTION DATA	A AND LOADS	(SEE FIG. 16 FOR LOCATIONS)	7701
APPROVED BY	1/15/62 1	18. Green RADIANT	HEAT LAB.
	before s	specimen and a decrease in tempera specimen power could be returned.	
2944.41 second	s Interrup	otion in plant power caused loss o	f power
* T-03 Thermoc			
T-37, T-38, T- T-44, T-45	39, T-40, T-	34, T-35, T-36	267 - 262 263 - 268
T-15, T-16, T- T-22, T-23, T-	17, T-18, T-	12, T-13, T-14, 19, T-20, T-21	· 239-244 · 245-250
T-01, T-02. • T-	-03. T-04. T-	FIG. 5 FOR LOCATIONS) 05, T-06, T-07	FIGURE NO.
THERMOCOURT P.	DAMA / cmm	TYG E YAD TAGUMANAN	

U3 4036 3069

REQ 10388

	IME SEC.	3-2 T-01	4-2 T-02	T-03	8-2 T-04	3-3 T-05	4-3 T-06	7-3 T-07
3) E C +		*****	DEC	REES FAHR	ENHEIT		
3	.33 .87 33.27 5.67 78.07	97.13 97.13 110.3 144.7 176.3	86.69 97.24 91.97 113.1 150.0	94.68 97.32 94.68 102.6	97.39 94.76 97.39 100.0 107.9		91.93 89.29 128.9 205.1 233.9	89.50 89.52 113.2 173.5 194.4
16 19 22	0.47 2.87 5.27 7.67 0.07	189.4 131.5 194.7 207.8 226.2	171.0 163.3 173.6 191.9 194.6	107 9 113 1 131 6 139 5 144 7	115.8 121.1 126.3 129.0 142.1	152.6	220.8 171.0 194.6 241.8 294.8	186.6 147.4 163.1 220.6 272.8
32 35 38	2.47 4.87 7.27 9.67 2.07	244.6 289.6 338.7 363.2 485.5	220.8 247.0 294.7 319.2 400.8	103.1 178.8 225.9 257.3 273.0	152.6 173.5 212.7 249.3 291.6	273.5 357.7 406.6 425.0 469.7	332.9 408.8 445.6 479.7 532.3	
486 519 531	4.47 6.87 9.27 7.63 5.91	488.1 503.9 524.9 538.1 567.0	469.0	29 . 5 39 ? . 3 408 . 3 421 . 4 333 . 0	329.6 370.2 415.8 436.7 473.4	530.2	534.9 550.6 569.0 579.5 379.2	
938 970 1003 1035 1067	.7; .11	601.2 651.2 695.9 732.7 771.6	547.7 587.1 631.7 668.5 710.5	302.7 270.4 239.0 2 5.4 194.5	478.6 499.5 530.9 512.3 591.1	469.7 598.6 632.8 653.8 677.5	597.9	447.1 546.5 580.5 583.1 606.7
1100 1132 1165 1197 1229	.71 .11 .51	797.1 825.2 871.2 914.7 950.5	747.2 770.3 806.0 849.3 879.9	178.8 160.5 142.1 126.3	619.9 646.1 677.5 706.3 735.1	680.1 690.6 727.4 732.7 771.5	674.1 682.0 700.3 731.9 755.3	614.5 625.0 625.0 661.6 693.0
1262 1294 1327 1359 1391	•71 •11 •51	958.2 955.6 955.6 965.8 963.3	908.0 902.9 908.0 915.6 910.5	89.41 73.56 59.67 43.25 87.78	758.4 781.3 794.0 801.6 806.7	769.0 794.5 769.0 756.2 745.9	750.2 755.3 734.5 716.1 716.1	693.0 677.3 661.6 648.5 651.1
1424 1456 1489 1521 1553	. 71 . 11 . 51	955.6 958.2 963.3 965.8 973.5	910.5 908.0 902.9 900.3 910.5		804.2 799.1 801.6 804.2 801.6	735.3 709.0 774.1 776.6 743.2	700.3 692.5 729.2 737.1 718.7	635.4 643.3 656.4 661.6 677.3
CALC CHECK APR	06/2 E634	25/2 -RT 4/19/62	REVISED DATE	CORRUGA	TED SHEAR • 05652 NO• 01	SPI	L EC. 0302	EWA 5-652
	1				THE BOEIN	IG COMPANY		PAG :
CONTRA	CT NO.							FIG. 233
Ue 5553								2.5000
						· da		E-3000 .

-			3-2	lı - 2	7. 0	0 0			
	TI	ME	T-01	T-02	T 07	8-2 T-04	- A P		7-3 T-07
	SE	C.			DEG	REES FAHR	FNHG I Y	1-00	1-07
		5.31		928.4	•	809.3	809.9	788.5	729.6
		3-11		969.2	. 41	824.5	1 838.0	834.5	770.9
		- 11		1013.		844.9	876.3	862.5	796.3
		.51				870.3	914.7	862.5 890.6	819.2
'	(12	.91	1134.	1070.			942.8	918.7	852.2
1	748	31	1175.	1085.		004.7	07.0		
		. / }		1116.	1 ,	926.3 954.2	9/0.0	946.8	
		.11		1142.				997.8	
1	845	.51		1175.				1024.	
1	877	.91		1194.	,	1044.		1039.	
	010		1 '		, «	,		,	70723
		.31		1219.	•	1072.	1103.	1083.	1015.
		.01	1325.	1230.	*	1100.	993.9	951.9	895.5 938.7
		.81	1369.	1245.	t	1103.	1043.	995.3	938.7
		.21		1287.		1129.			70110
4.	101	• 4 i	1449.	1323.	4	1155.	1139.	1091.	1023.
2.	393	.61	1431.	1349.	254.7		1170	1124.	1061
		.01	1426.	1364.	481.7	1216.	1196	1145.	1031.
	+58		1534.	1408.	052.1	1247.		1174.	
		.81	1544.	1436.	138.6	1278.			
2:	523,	21	1590.	1465.	764-3	1312.	1294.		
	555		1614.	1498.	888 2	1343.	1333.	1269.	1201.
	88.		1644.	1520,	886 6	1376.	1346.	1290.	
	20.		1673.	1549.	997.0	1402.	1377.	1318.	1260.
	52. 85.			1573.	922-3	1433.	1408.	1349.	
. C	000	21	1734.	1605.	8-10138	1459.	1418.	1373.	1322.
7	17.	61	1767.	1630.	01/2	1482.	1305	1704	1 200
	50.			1632.	801.6	1492.	1444.	1386. 1386.	1329. 1319.
	82.		1762.	1648.	70 .9	1532.	1507.	1422.	1345.
	14.		1759.	1662.	608.3	1559.	1491.	1406.	1334.
	47.		1767.	1659.	521.0	1567.	1486.	1391.	1319.
					/}				1317
	79.		1778.	1670.	458.1	1577.	1473.	1388.	1319.
	12.		1790.	1670.	373.3	1564.	1413.	1362.	1298.
	44.		1812.	1678.	297.2	1537.	1449.	1380.	1314.
	76.		1539.	1557,	244.2	1464.	927.4	854.9	814.1
U	09.	21	1323.	1349.	233.8	1314.	732.7	621.6	575.3
Ω	1, 1	41	1320.	1250.	220.17	1014:	071 0	700 0	4.4.4
	74.		1317:	1214.	205.0	1216.	871.2 899.3	752.8	654.2
	06.		1305.	1199.	189.8	1126.	899.3	793.6	690.4
	38.		1292.	1183.	184.0	1113.	922.3	806.4 826.8	776.0
	71.		1305.	1194.	86.7	1111.	968.3	877.9	819.2
							700.0	,	V1106
ΑL	c	06	125/2	REVISED DAT	1 -				EWA
	СК	Es	GERT 6/29/62			TED SHEAR			5-652
1E(11/1/1/19			05652		EC. 0302	
		 			COND.	NO4 · 01		IN II	D2-80081
PR						THE BOEIN	G COMPANY		
PR									DA.
PR PR			1		, , , , , , , , , , , , , , , , , , ,	4			PA:
PR	,	T NO			\$ 3		: 7	, d	F16.234

	TIME SEC.	3-2 T-0 1	4-2 T-02	T-03	T-04	3-3 1-05	Y-04	7-3 1-07
				DE(GREES FAHR	RENHEIT		
32	03.61	1294.	1194.	173.6	· 1113.	958.1	870.2	071.0
32	36.01	1307.		(N) > (U = / U	11152	993.9	1911.0	
24	68.41	1349.	1230.	14648	1129.	1082.	1008.	
133	33.21	1395.		127.0	1160.	1128.	1049.	992.1
		1439.	1318.	92 05	1198.	1167.	1109.	1046.
	65.61	1473.	1359.	8/.	1232	1196.	1176	
	98.01	1507.	1387.	45. 1	1263.	1224.		1064.
	30.41	. 1539.	1421	13.25	1294.	1242.		1087.
34	62.81	1568.	1452.		1319.	1255.		
341	95.27	1601.		1 , 1	1345.	1273.		1126. 1144.
35	27.61	1628.	1509.	>				
	50.01	1654.	1536.		1368.		1230.	. 1170.
	12.41	1687.	1565.		1397.	1333.	1261.	1206.
362	24.81	1714.	1581.	,	1420.	1364.	1295.	1242.
	7.21	1742.	1616.	1	1448.	1374.	1303.	1247.
				<i>'</i>	1474-	1403.	1339.	1280.
	19.61	1770.	1640.	, ,	1495.	1437.	1362.	2.200
	2.01	1795.	1656.	44 1	1516.		1360.	1309.
	4.41	1834.	1689.		1529.	1457.	1383.	1309.
	6.81	1848.	1702.		1537.	1442.	1380.	1316.
581	9.21	1846.	1705.	1	1540.	1444.	1383.	1309. 1309.
385	1.61	1848.	1708.	•	1553.	11.1.9		
388	4.01		1713.	١,	1555.	1447.	1380	1316.
	6.41	1873.	1727.	4	1559.	1465.	1386.	
	8.81	18/3.	1724.	å.	1561.	1403.	1362.	
	1.21	1868.	1727.	70.6P	1564.		1367.	1306.
				0.01	1564.	1460.	1380.	1316.
401		1868.	1719.	94.6/8	1564.	1442.	1370.	1700
4040		1862.	17 19.	86.78		1449	1363.	1322.
4078		1862.	1719.	128/9	1567.		1383.	1314.
4110		1862.	1719.	173/6	1567.	1457	1388.	1324.
4143	3.21	1862.	1722.	228/.5	1564.	1447.	1378.	1316.
4175	-61	1862.	1713.	271.3	2011			
4208		1862.	1719.	319.0	1564.	1434.	1365.	1304.
40		1862	1716.	35/1.6	1559.	1439.	1362.	1304.
42.72		1862.	1719.	362.4	1559.	1447.	1367.	1309.
4305		1865.	1722.	3811.4	1559.	1413.	1252.	1311.
	• 1			3911.4	1559.	1455.	0.	1309.
4337		1862.	1716.	3/2/3	1561.	1439.	1373.	1314.
4370		1865.	1713.	40310	1559.	1465.	1386.	1311.
4382		1862.	1713.	442.4	1559.	1455.	1383.	1311.
4399		1862.	1719.	497.14	1564.	1457.	1386.	1316.
4415.	• 37	1862.	1719.	\$47.2	1564.	1452.	1386.	1309.
CALC	06/2	5/2	REVISED DAT	E				
CHECK	EGBE			CORRUGA	TED SHEAR	WEB PANE	L.	EWA
APR	11-03172	1 0/27/6		- EWA NO.	05652		EC. 0302	5-652
	+			COND. N	10.01		N 11	
APR		.1	2*		711H			D2-80081

25/

U6 5553 # 10

2.5000

PA.

THE BOEING COMPANY

• /

D2-80081

FIG. 235

	TIME SEC.	3-: 1-:		4-2 T-0:	2	7-2 T-03	T-04	T-05	Y-04	7-3 T-07
						NE	GREES FAHR	ENHEIT		
114	31.57 47.77 63.97 80.17 96.37	188 188 188	62. 50. 52.	1719 1719 1710 1719		\$91.8 \$25.8 \$49.4 \$78.3 \$83.5	1567. 1567.	1465. 1468. 1455.	1375. 1386. 1391. 1388. 1396.	1324.
45 45	12.57 26.07 27.15 28.23 29.31	185 185	7.	1713 1719 1719 1713 1713	•	488.8 691.4 691.4 691.4	1567. 1564. 1567. 1567.	1449. 1452.	1388. 1378. 1375. 1378. 1380.	1319. 1311. 1309. 1311. 1309.
45 45	30.39 46.59 62.79 78.99 95.19	185 186 185 185	7. 4,	1710 ,1713 1713 1710 1710	•	691.4 688.8 680.9 667.8 662.5	1567. 1564. 1564. 1564.	1473.	1380. 1393. 1380. 1401. 1393.	1304. 1319. 1319. 1332. 1334.
462 462	11.39 25.97 27.05 28.13 29.21	186 185 185 186	7. 7. 7.	1713. 1716. 1710. 1713.		614.2 628.5 623.5 625.8 628.5	1561. 1564. 1564.	1468. 1465. 1465. 1468. 1460.	1391. 1388. 1391.	1322.
464 466 467	30.29 6.49 2.69 8.89 5.09	1860 1860 1851 1851	0. 7.	1716. 1713. 1713. 1708.		628.5 615.4 612.7 612.7 599.6		1434. 1468. 1473. 1478.	1386. 1388. 1393. 1396. 1388.	1319.
472 474 475	1.29 7.49 3.69 9.89 6.09	1857 1851 1851 1860 1857		1708. 1708. 1708. 1716. 1713.	1	570.8 551.5 500.0 473.8	1564. 1564. 1567. 1567.	1465. 1468. 1449. 1475. 1473.	1393. 1388. 1386. 1396.	1322. 1322. 1327. 1329. 1324.
478 478 478	5.81 6.89 7.97 9.05 0.13	1857 1857 1854 1854 1854	•	1713. 1710. 1710. 1710. 1713.	14 14 14	37.1 37.1 37.1 37.1	1569. 1567. 1564. 1567.	1478. 1478. 1481. 1475. 1478.	1393. 1396. 1396. 1398.	1324. 1324. 1324. 1327. 1324.
4822 4838	5.33 233 3. (3 4.93	1854 1854 1854 1854	•	1710. 1708. 1708. 1710. 1705.	1 1	31.9 26.6 21.4 10.0	1567. 1569. 1569. 1564. 1567.	1418. 1437. 1449. 1465. 1481.	1370. 1380. 1375. 1380.	1329. 1324. 1327. 1324. 1329.
CALC CHECK APR		25/2 ERT 6/	29/42	REVISED	DATE	EWA NO	ATED SHEAR 0. 05652 NO. 01	SP	EC+ 0302	5-652
APR						301101		IG COMPANY	JN 11	D2-80081

CONTRACT NO. U6 5553 7450

F16.236

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,	Tur	3-2	4-2	7-2	8-2	3-3	4-3	7-3
	IME SEC.	1-01	T-02		T-04	T-05	T-06	1-07
"				DE	GREES FAHR	ENHEIT	*******	
	17.33	1854.	1708.	873.8	11567.	14.70	1200	
	3.53	1857.	1708.	340.8	1567	1478.	1398.	
	9.73	1851.	1708.	310.8		1478.	1398.	1319
	5.93	1851.	1708.	286.4	1567.	1473.	1396.	1329 1329
1142	2.13	1820.	1697.	205/2	1567.	1470.	1393.	1327
196	8.33	1818.	1694.	2442		.*		,,,,,
	4.53	1809.	1689.	270.7		1470.	1401.	1329
	3.71	1809.	1683.	2 0 2			1406.	
1991	4.79	1812.	1678.	2 2 8	1564. 1564.			
199:	5.87	1809.	1683.	217.8	1564.			
				- 17.0	1204.	1481.	1401.	1324
1.996	5.95 3.03	1806.	1683.	201.6	1567.		1401.	-1327
	1.23	1801.	1681.	205.0	1564.	1481.	1401.	1327
	4.43	1804.	1681.	181 . 0	1564.	1455.	1386.	1324
	.63	1801. 1798.	1672.	155.2 139.5	1564.	1452.	1378.	1316
7040		117C.	1667.		1559.	1465.	1386.	1319
5062		1798.	1670.	12110	1559.	1470.	1391.	1200
5079		1798.	1675.	1/13/1	1559.		1393.	
5095		1792.	1675.	97.95	1561.		1391.	
5111		1792.	1662.	89.41	1561.	1475.	1401.	
5127	• 63	1790.	1664.	73.36	1556.	1465.	1396.	1332.
5143	.03	1790.	1664.	\$6.94	1001	9 / ma c		
160	. 03	1792.	1664.	43.25	1000	1470.	1393.	1329.
5176	.23	1790.	1667.	13.20	1556. 1559.	1473.	1388.	1329.
5192	، زبا،	1790.	1656.		1559.		1404.	1334.
208	.63	1790.	1662.	1 1	1561.	1481.	1398. 1401.	1334.
5224.	Ω2	1700		•				177(*
241		1792.	1662.	•	1564.	1486.		1332.
5241. 5257.		1792.	1667.	i	1569.	1501.	1411.	1334.
273		1792.	1664.	à "	1580.	1475.	1396.	1329.
289.		1792.	1670. 1667.	q ¹ 1,2 4,0	1585.	1512.	1417.	1340.
	- V W	11746	10014	4 .	1591.	1507.	1406.	1340.
305.		1792.	1667.	1 4	1588.	1499.	1406.	1332.
322.		1790.	1670.	8 15	1585.	1499	1414.	1337.
330.		1795.	1670.	g1 , ø	1588.	1486.	1406.	1340.
363.		1798.	1678.		1585.	1504.	1411.	1337.
395.	47	1801.	1675.	<i>t</i>	1588.	1491.	1411.	1345.
427.	87	1804.	1672.	t	1500	11.01	11.00	
460.		1787.	1678.	r	1588. 1583.	1486.	1406.	1337.
492.		1681.	1619.	12	1556.	1475. 1364.	1378:	1316.
525.	07	1552.	1504.		1466.	1219.	1264. 1109.	1201.
557.	47	1544:	1447.		1407	1224.	1124.	1025. 1059.
416	06/2	5/2	REVISED DATE	\$4.7°	4	1		
ALC			ALTISED DATE		TED SHEAR	UES DAVE	,	EWA
HECK	1-CBE	-RT 6/29/62		-EWA NO	- 05652		L EC: 0302	5-652
PR PR				COND.			N 11	D2 0000
	-				THE BOEIN	IG COMPANY		D2-8009
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NTRAC	T NO.	,				,	1 1	F16.23'

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TIME SEC.	3-2 T-01	4-2 T-02	7-2 1-03	8-2 T-04	3-3 T-05	4-3 T-06	7-3 T-07
5589.87 5622.27 5654.67 5687.07 5719.47	1568. 1457. 1349.	1431. 1436. 1403. 1297. 1250.	•	1376.	1198. 1214. 1097. 1007.	1135. 1158.	1072 1092 943. 776. 801.
5751.87 5784.27 5816.67 5849.07 5881.47	13514 1361- 13694 1253- 1113-	1232. 1230. 1240. 1217. 1093.		1144. 1119. 1106. 1098. 1036.	976.0 981.1 993.9 855.9 727.4	903.4 923.8 936.6 801.3 626.8	852. 865. 872. 742.
5913.87 5946.27 5978.67 5011.07 5043.47	1121. 1121. 1110. 1105. 1113.	10414 10154 10054 99447 99742	• •	969.5 921.2 898.3 885.6 877.9	627.5 614.3 732.7 706.4 740.6	527.0 534.9 653.1 647.8 674.1	1441. 499. 593. 634. 627.
6173.07 6205.47	1103. 901.9 799.7 727.5 669.6	1005. 910.5 818.7 749.8 679.0	10.52 14.20 59.6/7 59.67 65.75	872.8 834.7 786.4 729.8 680.1	740.6 501.2 374.1 327.7 289.6	689.8 440.3 319.3 270.7 254.9	648.5 375.6 275.4 254.5 246.6
6237.87 6270.27 6302.67 6335.07 6367.47	648.6 651.2 651.5 656.5	629.1 608.1 592.4 579.2 576.6	62:11 59.67 59.67 56.94 54.20	635.6 596.4 562.3 538.8 515.2	284.1 292.3 289.6 292.3 286.9	254.9 257.6 265.4 273.3 268.0	240.7 254.5 262.4 255.0 270.2
6431.01 6461.00 6491.21 6521.33 6551.15	627.5 543.3 493.4 456.5 432.9	558.2 521.5 479.5 448.0 416.5	84.78 94.95 1/0/5 1/8/4 1/31.6	486.4 468.1 444.6 426.2 402.7	273.5 192.0 168.4 155.3 147.4	254.9 168.4 142.1 128.9 123.6	246.7 155.2 129.0 121.1 115.8
5581.14	414.5	400.8 379.0	405.7 884.	386.5 362.1	142.1 139.4	118.3 118.3	110.6
*			\$ 6 5 g ¹ 6 5				
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	25/2 CRT 6/29/62	REVISED DAT	ORRUGAT	05652		C. 0302	EWA 5-652
PR (, , ,	1	COND. N		RUN I G COMPANY	11	DZ-8008
ONTRACT NO. 6 : 553 7450							F16.238

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TIME SEC.	30-T	4-13 T-09	T-10	7-4 T-11 REES FAHRE	T-12	T-13	4-5 T-14
.33 .87 33.27 65.67 98.07	89.29 86.65 105.1	97.27 94.63 97.27 102.5 105.2	94.47 97.11 97.11	94.65 92.02 94.65 105.2 113.1	92.07		94.73 94.73 97.37
130.47 16 .87 195.27 227.67 260.07	157.9 128.9 139.4 202.5 265.4	113.1 113.1 113.1 123.6 150.0	107.7 110.3 115.6 123.6 144.7	115.7 115.7 113.1 118.4 128.9	121.0 115.8 115.8 118.4 123.7	113.0 113.0 113.0 118.3 134.1	110.5 113.2 113.2 121.1
292.47 324.87 357.27 389.67 422.07	319.3 365.6 390.1 429.8 464.0	173.6 202.4 231.2 260.0 289.2	165.8 189.4 210.4 234.1 265.6	142.1 157.9 176.2 191.9 212.9	134.2 147.4 163.1 178.8 199.7	150.0 168.4 184.2 202.6 226.3	163.1 189.2 215.4 238.9 267.7
454.47 486.87 519.27 537.63 905.91	487.6 495.5 519.1 529.6 343.8	321.8 349.0 378.9 395.2 370.8	292.4 319.6 349.6 366.0 368.7		246.8 267.8	247.3 271.0 295.2 308.8 322.4	297.1 326.9 356.8 373.1 373.1
938.31 970.71 1003.11 1035.51 1067.91	458.7 545.4 561.1 569.0 600.5	381.6 416.4 447.9 474.1 500.3	379.6 404.0 432.9 456.6 488.2	335.4 357.1 387.0 411.1 439.9	316.2 337.9 373.2 400.3 431.8	363.4 393.4	447.3
1100.31 1132.71 1165.11 1197.51	600.5 624.2 611.0 650.4 689.8	526.6 550.2 573.8 589.5 621.0	511.9 543.5 561.9 590.8 625.0	468.7 500.2 526.4 552.7 589.4	463.2 494.7 523.5 557.6 594.2	483.1 512.1 541.0 570.0 606.9	531.1 557.3 580.9 604.4 635.9
262.31 294.71 327.11 359.51 391.91	703.0 650.4 637.3 639.9 637.3	649.9 663.0 657.7 660.3 657.7	654.0 664.5 667.1 669.7 680.3	620.9 634.0 639.2 639.2 644.5	623.1 625.7 628.3 625.7 633.5	635.8 641.1 638.5 633.2 633.2	664.7 680.4 683.0 685.6
424.31 456.71 489.11 521.51 553.91	634.7 637.3 626.8 632.0 642.5	657.7 655.1 657.7 657.7	672.4 672.4 672.4 675.0 680.3	644.5 644.5 647.1 647.1	630.9 636.2 636.2 636.2 638.8	633.2 633.2 633.2 638.5 641.1	683.0 680.4 683.0 685.6 688.2
	25/2 1ANO 7/2d62	REVISED DA	CORRUGA EWA NO	ATED SHEAR 0. 05652 NO. 01 THE BOWN	SF	PEC. 0302	EWA 5-65% D2-8008
ONTRACT NO.							

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TIN	E	8-3 T-08	4-13 T-09	4-4 T-10	7-4 T-11	8-4 T-12	3-5 T-13	4-5
SEC	•			DEG	REES FAHRE	NHEIT	1-15	T-14
1586.	31	718.7		690.8				~
1618.		765.5	704.9	717.1	665.4		656.9 696.4	
1651.		788.5	733.8	743.4	728.4		735.9	
1683.		811.5	759.7				764.4	
1715.	91	834.4	787.8	799.9	787.6		797.7	
748.		867.6	820.9	833.1	818.2	832.9	833.5	845.
1780.		900.8	854.1	863.8	851.3	866.0	866.7	878.
813.		916.1	884.7	891.9	879.3	899.1	894.9	908.
845.		951.8	917.8				920.5	
877.	91	974.8	943.3	950.7	935.4	955.1	948.6	967.
910.		1003.		978.8			974.2	995.
264.		898.2	976.4	999.3	986.4			1003
296. 328.		959.5	989.2 1015.	1015.	999.1	1022.		1011
361.		990.1		1030.	1025.	1063.	1028.	
		1021.	1038.	1061.	1053.	1096.	1067.	1062
393.		1052.	1072.	1087.	1097.	1145.		1093
426. 458.		1083.	1103.	1129.	1146.	1205.	1158.	1129
490.		1114. 1140.		1165.	1180.	1230.	1186.	1160
523.		1174.	1208.	1201.	1211.	1261.	1215.	1191
				1232.	1244.	1305.	1248.	1225
555.6 588.6			1239.			1336.		
620.		1256. 1259.		1300.		1377.		
652.8		1300.		1339. 1383.	1345. 1391.	1416.		
685.2		1334.	1384.	1419.	1420.	1465. 1486.		
717.6	. 1	1339.	11:10	1440-	11.1.7	100		
750.0		1316.	1410. 1418.	1440.	1443. 1438.	1499.	1443.	
782.4		1321.	1420.	1442.	1430.	1486. 1507.	1440.	
314.8		1334.	1423.	1458.	1453.	1512.	1440. 1448.	1436. 1439.
347.2		1321.	1423.	1458.	1446.	1475.	1440.	1436.
979.6	1	1308.	1415.	1442.	1425.	1455.	11, 11,	31.07
712.0		1290.	1410.	1432.	1420.	1460.	1414. 1409.	1423. 1415.
44,4		1305.	1405.	1427.	1415.	1450.	1409.	1415.
76.8	1	854.9	1307.	1336.	1327.	1300.	1306.	1328.
109.2	1	626.8	1144.	1196.	1175.	1135.	1124.	1181.
41.6	1 (558.3	1023.	1067.	1056.	1016.	987.0	1057.
74.0	1 6	584 .6	938.2	978.8	981.3	978.0	915.3	969.9
C6.4		768.1	905.0	948.1	958.3	975.5	905.1	934.3
38.8		783.4	889.8	925.1	950.7	972.9	907.7	919.0
71.2	1 8	319.1	889.8	922.6	955.8	988.2	923.0	919.0
	06/25		REVISED DA					5-652
	TRICKTA	ND 7/20/62			TED SHEAR			
R					05652	S F	PEC. 0302	D2-8008
R				CONDS	THE BOEIN	IG COMPAN	, 	1
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TIME SEC.	8-3 T-08	1-09	4-4 7-10 DEGF	T-11	T-12		4-5 T- 14
320.				EES FARK	INHE I I		
3203.61 3236.01 3268.41 3300.81 3333.21		897.4 907.6 925.4 968.8 1005.	930.2 937.9 950.7 983.9 1020.		972.9	928.1 933.2 943.5 979.3 1028.	931.7 949.5
3365.61 3398.01 3430.41 3462.81 3495.21	1052. 1062. 1083. 1111. 1145.	1077. 1110.	1059. 1092. 1129. 1155. 1188.	1079. 1115. 1144. 1172. 1203.	1125. 1166. 1187. 1220. 1251.	1070. 1109. 1134. 1163.	1062. 1098. 1127. 1155. 1186.
		1201. 1234. 1270. 1304. 1335.	1225. 1261. 1300. 1331. 1364.	1239. 1278. 1311. 1348. 1389.	1334.	1228. 1264. 1300. 1331. 1373.	1217. 1253. 1289. 1320. 1351.
3722.01 3754.41	1316. 1321. 1300. 1308. 1300.	1400° 1405°	1403. 1427. 1429. 1427. 1419.	1430.	1483. 1470. 1463. 1445. 1450.	1422. 1412.	1402. 1415. 1413.
3916.41 3948.81	1300.	1389. 1389.		1397. 1399. 1394.	1437.	1414.	1408. 1413. 1418.
4013.61 4046.01 4078.41 4110.81 4143.21	1318. 1303. 1339. 1313. 1321.	1400- 1400- 1405- 1400- 1402-	1416. 1414. 1421. 1416. 1419.	1394. 1397. 1404. 1397.	1437. 1434. 1442. 1434. 1439.	1404. 1404. 1412. 1407. 1414.	1413. 1413. 1415. 1418. 1421.
4175.61 4208.01 4240.41 4272.81 4305.21	1298. 1298. 1298. 1334. 1287.	1400. 1394. 1389. 1400. 1394.	1416. 1411. 1411. 1421. 1414.	1399. 1394. 1397. 1402. 1399.	1434. 1434. 1424. 1437. 1434.	1414. 1407. 1404. 1404. 1401.	1415. 1408. 1410. 1408.
4337.61 4370.01 4382.97 4399.17	1311. 1282. 1298. 1300.	1389. 1381. 1384. 1387. 1384.	1411. 1406. 1406. 1403. 1403.	1397. 1394. 1402. 1399.	1432. 1434. 1437. 1445. 1442.	1394. 1394. 1394. 1399. 1401.	1397. 1395. 1395. 1397.
	25/2 (AND 7/206		EWA NO	ATED SHEAR 0. 05652 NO. 01 THE BOE	S	PEC. 0302	EWA 5-652 D2-80081
CONTRACT NO.							FIG.241

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2.5000

PRINTED BY THE STANDARD ALGISTLY COMPANY, U.S.A.

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	T I SE	_	8-3 1-08	T-09	T-10	7-4 T-11 REES FAHRE	T-12	T-13	4-5 T-14
	4431 4447 4463 4480 4496	•77 •97 •17	130C. 1292.	1384.	1408. 1406. 1411.	1402. 1402. 1399. 1399.	1445. 1445. 1445.	1401. 1399. 1404.	1405. 1405. 1410.
	4512 4526 4527 4528 4529	.07 .15 .23	1298.	1384. 1384. 1387. 1384.	1406.	1394. 1397. 1394. 1397.	1439.	1401. 1399. 1399. 1396. 1399.	1408. 1408. 1408. 1408.
	4530, 4546, 4562, 4578, 4595,	.59 .79 .99	1298. 1300. 1308. 1308.	1384. 1384. 1389. 1387.	1403. 1408. 1406. 1414.	1397. 1394. 1399. 1399.	1442. 1442. 1445. 1439.	1396. 1396. 1399. 1404.	1408. 1408. 1410. 1413.
1	611. 625. 627. 628.	. 97 . 05 . 13	1308.	1389. 1392. 1392. 1392. 1389.	1411.	1402. 1399. 1402. 1399.	1442. 1445. 1442. 1445. 1445.	1401.	1408. 1413. 1413. 1410.
4	630. 646. 662. 678.	49 69 89	130C. 1287. 130C.	1389. 1387. 1381. 1384. 1381.	1406. 1403. 1403.	1399. 1394.	1442. 1437. 1447.	1394. 1394.	1410. 1408. 1408.
4	711. 727. 743. 759. 776.	49 69 89	1295. 1308. 1326. 1308. 1305.	1376. 1381. 1387. 1389.	1403. 1408. 1411. 1411.	1399. 1399. 1399. 1399.	1442. 1445. 1442. 1447. 1439.	1396. 1396. 1399. 1399.	1408. 1408. 1410. 1413.
4 4 4	785. 786. 787. 789. 790.	89 97 05	1305. 1308. 1308. 1303. 1305.	1389. 1389. 1389. 1392. 1389.	1411. 1411. 1411. 1411.	1399. 1399. 1397. 1399.	1434. 1439. 1439. 1439.	1394. 1394. 1394. 1396.	1413. 1410. 1410. 1410. 1408.
4 4 4	806. 822. 838. 854.	53 7 3 93	1339. 1323. 1331. 1323. 1316.	1394. 1402. 1400. 1402. 1397.	1416. 1419. 1421. 1419. 1414.	1402. 1402. 1402. 1402. 1397.	1439. 1437. 1439. 1439.	1394. 1396. 1399. 1399.	1410. 1415. 1413. 1415.
C	HECK PR PR		25/2 KLANU 7/20/62	REVISED DA	CORRUGA EWA NO	ATEC SHEAR 0. 05652 NO 01 THE BOEII	SF	PEC. 0302	EWA 5-652 DZ-80081
	ONTRAC			ш					F16, 242

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PRINTED BY THE STANDARD REGISTER COMPANY, U.S.A.

TI	V E	30-T	1-09	4-4 T-10 DEGF	T-11	T-12	3-5 T-13	4-5 T-14
4887. 4903.		1305.		1408.			1394.	
4919	77	1287. 1308.	1387.	1406.	1394.	1434.	1391.	1410.
1935.	03	1313.	1387. 1384.	1403. 1406. 1411.	1391.	1457	1391.	1410.
1952	13	1308.	1387.	1400.	1377.	1437	1394. 1394.	1413
7756	• 1 -	1306.	1367.	1411.	1344.	1437.	1394.	1413.
4968.	. 3.3	1308.	1387.	1408.	1304	1430	1396.	1413
4984.		1308.	1392	1411-	1300.	1437	1394.	1415
1993.		1308.	1392.	1416.		1439.		
1994.		13: .		1414.				
1995.		1308.		1416.				
1996.		1308.	1394.	1414.	1399.		1391.	
1998.		1313.	1392.	1414.	1399.	1437.	1394.	1408.
014.	23	1321. 1318.	1394.	1414.	1399.	1439.	1396.	1410.
030.	43	1518.	1394.	1416.	1399.	1434.	1399.	1413.
046.	03	1316.	1400.	1419.	1402.	1437.	1401.	1410.
062.	. 8 3	1318.	1400.	1424.	1402-	1439.	1404.	1413.
0:7.				1424.	1404	1434.	1401.	1418.
095.			1405.			1437.	1401.	1413.
111.		1323.	1405.	1429.		1442.		1415
127.	63		1405.			1445.		1418.
11.7	c 2	171/	11.07	11.01.	11.10	11.70	1101	11.10
143.							1401.	
176.				1429. 1429.		1434.		1423.
192.			1402.				1396.	1418.
208.			1402.		1402.			
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1370	• • • •
224.		1316.	1400.	1419.	1399.	1437.	1394.	1421.
241.		1311.	1400.	1419.	1399.	1437.	1391.	1418.
257.		1329.	1400.	1419.	1402.	1439.	1391.	1415.
273.		1318.	1394.	1414.	1402.	1439.	1391.	1418.
289.	63	1321.	1400.	1419.	1402.	1437.	1394.	1421.
30 5 •	63	1316.	1400.	1416.	1399.	1437.	1391.	1415.
322.		1321.	1400.	1419.	1399.	1442	1388.	1418.
330.		1323.	1397.	1421.	1402.	1442.	1391.	1421.
363.		1308.	1394.	1414.	1399.	1434.	1388.	1413.
395.		1318.	1389.	1408.	1397.	1442.	1388.	1408.
	0.7	1716	1707	11.14.	11.00	16.27	1700	1100
427.		1318.	1387.	1414.	1402.	1437.	1394.	1408.
460.		1298.	1389.	1411.	1397.	1432.	1391.	1402.
492.		1197.	1353.	1370.	1350.	1352.	1337.	1364.
525.		1000.	1255.	1282. 1219.	1260. 1200.	1238.	1225. 1160.	1279.
557.	41	1039.	1193.		1200•	1202.	1100.	1222.
ALC	06/2	5/2	REVISED D	ATE		ı		EWA
HECK **	STRICK	ANT 7/20/62			TED SHEAR			5-6.52
PR .				1	05652		PEC. 0302	
PR	1			COND.	NO. OI	NG COMPAN	<u> în 11 </u>	DZ-800S
					INE DUE!	ING COMPAN	-	PAGE
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TIME SEC.	8-3 T-08	4-13 1-09	T-10	7-4 T-11 REES FAHRE	8-4 T-12	3-5 T-13	4-5 T-14
			DEGI	CC3 TANKE			
5622.27 5654.67 5687.07	1078. 905.9	1126.	1196. 1181. 1142. 1054. 996.7	1177. 1167. 1141. 1043. 983.8	1192. 1138.	1140. 1142. 1116. 999.8 933.2	1186. 1178. 1145. 1049. 987.7
5816.67	860.0	935.6 928.0 900.0	968.6 958.4 953.3 930.2 861.2	968.5 963.4 958.3 943.1 869.1	972.9	923.0 923.0 925.6 910.2 818.1	954.6 952.1 929.2
5978.67	508.6 595.3	'712.8 699.7	792.2 753.8 735.5 730.3 730.3	795.2 762.1 749.4	769.2 754.0 748.8	738.5 701.6 693.7 696.4 699.0	738.0 722.3
6075.87 6108.27 6140.67 6173.07 6205.47	281-2	586.9	727.6 680.3 630.3 582.9 543.5	644.5	610.0	701.6 646.4 588.4 543.7 501.6	612.3
6237.87 6270.27 6302.67 6335.07 6367.47	265.4	468.8 442.6 416.4 395.2 376.2	509.2 475.0 454.0 432.9 406.6	458.3	489.4 455.4	470.0 441.0 417.3 390.7 371.6	434.2
6431.01 6461.00 6491.21 6521.33 6551.15	157.9 134.2	343.6 319.1 300.1 281.0 265.3	366.0 344.2 327.8 306.0 284.2	329.9	329.8 310.8	338.8 319.7 300.6 287.0 273.6	356.8 329.6 307.9 286.2 267.7
581.14	121.0 115.7	246.9 239.1		278.3 267.9		257.8 244.7	254.6 236.3

CALC	06/25/2	REVISED	DATE		EWA
CHECK	STRICKLAND 7/20/63			CORRUGATED SHEAR WEB PANEL	5-652
APR				EWA NO. 05652 SPEC. 0302	
APR				GOND NO THE BOSING COMPANY	DZ-80031
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CONTRA	CT NO.			· ·	F16. 24

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	7	IME		7- T-	5 15		8-5 T-16		3-6 T-1		4-6 T-18		7-6 T-1		8-6 T-20		3-1 T-2	
		EC.									ES FAHR							
		. 33	,	86	. 89		86.8	<u>lı</u>	01.	34 4	97.24		Ó lı	กร	105.4		100	2.5
		. 87	•	86	. 89		89.4		91.8						105.4			2.5
		3.27			5.3		123.			34	102.5		97.	46	163.0		131	1.2
Ì		3.07			0.0 3.1		191. 225.		974	13				• 0	277.7 331.6		213	
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		0.47 2.87			0.0 9.0		215. 163.		113.		168.4 165.7		118 121		310.0		223	
		.27			9.5		181.		126.		173.6		126	_ 44	223.0 256.8		173	
		67			7.2		225.		134.		186.7		134	• 2	334.3		313	3.9
	260	0.07		24 (5.7	2	275.	5	144.		202.4		144		409.7		416	. 7
		47		29	1.5		307.			9	215.5			. 8	467.1		490	. 2
		. 87 . 27			7.6		394.			5					587.1		574	
		67			2.0		29.			7			217	.0	636.6		635	
		.07			5.2		20.		297.		403.4		296		722.7		689	
	ր - Մուր	. 47	1	ւհ։՝	1.9		15.		, . 341.		442.8		3 4 14	. 7	727.9		700	9
- 1		. 87			7:1		31.		382.		476.9		372.		756.5		742	- 1
		.27			3.0		41.		419.		497.9		407.		779.3		768	. 1
		. 63			2.4		57.		438. 467.		516.3		428. 478.		799.5 566.2		788 532	
	•										,						J W 14.	•
	938				. 6		47.			7				8			718	- 1
		.71			.7		73.0			0	584.5		520	5	804.6 822.4		849	
		.51			• 3		22.8		551.		663.3			. 1	835.0		860	
1	967	.91	5	30	8.	6	30.6	5 !	580.	2	705.3		572.	. 3	862.9		893	. 2
1	100	.31	5	343	. 9	b	43.7	,	509.	1	734.1		595.	8	868.0		898	3
1	132	.71	5	57	:0	6	56.8	3 (540.	7	760,1		619.	3	878.1		921	. 2
	165				.6		83.0		667.		793.3		640. 666.		898.4 923.8		905	
	197 229			83	.2		88.2 30.1		595. 722.		834.1		689 .		961.8		941 987	
	262 294			14			17.0 40.6		748.		887.6 885.1		713. 731.		966.8 966.8		979 951.	
	294 327			88	.9		04.0		784	3	887.6		747.		961.8		936	- 1
1	357	.51	5	70	.1	6	96.1	7	792.	0	890.2	•	757.	7	951.6		921.	. 2
1	391	91	5	67	• 4	6	83.0	7	797.	1	890.2	·	765.	3	956.7		923.	- 8
1	424.	. 31	5	59	.6	6	77.8	ï	792+	0	887.6		770.	14	941.5		903.	. 4
1	456.	.71	5	70	.1	6	67.3	7	189.		885.1		770.		936.4		911.	
	489 521.			75 88			09.2 30.1		786.		885.1 880.0		772.	9 4	964.3		939. 957.	1
1	521. 553.			96			04.0		99.		885.1		780.		966.8		939.	
													,					
-	ALC		/25			 	VISED	DATE	CORF	RUGAT	ED SHEA	AR 1	VEB.	PANE	L.]	EW.	- 1
-	IECK	EG	BER	T	6/29/62				·EWA	NO.	05652			SP	EC. 030:	2	5-65	16
	PR		*****	-		-			COL	VD. N	10. 01				V 11		2-80	180
AI	· K	+		+		-			,		THE BO	EING	COM	PANY		P	AC	
						Ц		L					, ,		1 ,		16.2	45
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CONTRACT NO. U6 5553 7450

TIME SEC.	7-5 17-15	T-16	1-17	4-6 T-18 REES FAHRE	T-19	T-20	
1586.31			804.8	913.1 951.4 989.7 1018. 1039.	785.6	1025.	1060. 1080. 1109.
1748.31 1780.71 1613.11 1845.51 1877.91	796.3 842.1 847.2 877.7 913.3	939.4	922.4 947.9 983.7 1017. 1048.	10642	877.0 907.5 935.5 965.9 993.9	1177. 1210. 1223. 1259. 1275.	1197. 1199. 1243.
1910.31 2264.01 2296.41 2328.81 2361.21	809.1	1075. .926.6 .972.4 1049. 1073.	1079. 1103. 1108. 1134. 1167.	1199. 1209. 1230. 1266. 1302.	1022. 1104. 1115. 1138. 1166.	1313. 1146. 1195. 1264. 1290.	1285. 1161. 1205. 1274. 1290.
2393.61 2426.01 2458.41 2490.81 2523.21	1028. 1051.	1109. 1132. 1171. 1191. 1230.		1380.	1225. 1259. 1292.	1339. 1370. 1398.	1349. 1367. 1391.
2555.61 2588.01 2620.41 2652.81 2685.21	1139. 1159. 1203. 1221. 1257.	1268. 1279. 1312. 1346. 1364.	1361: 1390: 1416: 1444: 1470:	1465. 1491. 1517. 1544. 1565.	1359. 1393. 1421. 1452. 1485.	1462. 1495. 1508. 1548. 1578.	1442. 1484. 1499. 1531. 1558.
2717.61 2750.01 2782.41 2814.81 2847.21	1278. 1278. 1283. 1257. 1244.	1382. 1395. 1426. 1402. 1397.	1509. 1552. 1577.			1580. 1612.	1564. 1550. 1548. 1542.
2879.61 2912.01 2944.41 2976.81	1242. 1250. 748.0 520.3	1384. 1354. 1390. 822.3 599.2	1593. 1577. 1560. 1481. 1330.	1635.	1645. 1634. 1621. 1551. 1441.	1594. 1538. 1583. 974.5 784.3	
3041.61 3074.01 3106.41 3138.81	583.1 609.3 690.4 714.0 745.4	743.2 774.0 791.8 812.1 863.0	1222. 1157. 1121. 1103. 1103.	1199. 1165. 1155. 1152. 1160.	1382. 1344. 1318. 1295. 1282.	1013. 1025. 1043. 1051. 1097.	870.2 921.2 1013. 1031. 1086.
	12512 BEKT 6/29/81		EWA N	ATED SHEAR 0. 05652 NO. 01	ı' S R	PEC. 0302 UN 11	EWA 5-652.
COMMACT NO.		• 4	7 .7	THE BOEIN	IG COMPANY		PA' F16.246

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U6 5103 7450

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SE	ME C.	†-	15	8-5 1-16	3-6 T-17	T-18	1-19	8-6 Ť- 20	3-7 T-21
	•							: 1	
3203			1.1	870.7	1108	1168.	1269.	11 "1095. =	1073
3236. 3268.	• 01	80	1.4	896.1				11284	
32.08	- 4 1	85	4.8	992.8		1199.			
3300			1.1	1047.		1245.	1274.	1277.	
3333	21	98	4 • 5	1106.	1201.	1292.	1292;	1318.	1282.
3365		99	4.7	1129.	1237	1331.	1310.	1336.	1303.
3398.		10	20.	1155.	1271.	1356.	1328	1 4 5 7 .	1414
3430.		10	38.	1181.	1302.	1385.	1349.	1372.	1220
3462.		10		1191.		1413.	1367.	1390.	1365.
3495	.21	10		1199.	1356.	1442.	1387.	1405.	1375.
3527.	.61		00.	1225.	1377:	1467.	1411.	1426.	1300
3560.		11		1268.	1408.	•	1434	1454	
3592			90.	1294.	1437.		1457		
3624			90.	1302.		1549.	1480	1495.	
3657.	21	12.	29.	1341.	1486.		1503.		
3689.	. 61	12		1366:	1509.	1598.	1530.	1551.	
3722		12		1364.		1619.	1551	1564.	
3754.		12		1400.		1640.	1559.	1504	1529.
3786		12		1382		1651.	1565.	1564.	1518.
3819.			52.	1390.					1523.
7014*		120		17704	1300		1573.	1562.	1529.
3851.		126		1390.	1574.	1659.	1589.	1586.	1548.
3884.		127		1408,			1597.	1570.	1521.
3916.		127		1364.	1587.		1605.		1529.
3948.		126		1382.	1590.	1678.	1615.	1575.	1539.
3981.	21	127	0.	1390.	1587.	1675.	1618.	1570.	1531.
013.	61	128	3.	1377.	1587.	1670.	1618.	1564.	1529.
046.		127		1387.		1667.	1621.	1567.	1523.
078.		129		1387.	1590.	1665.	1626.		1548.
110.	81	127	0.	1400.	1590.	1662.	1629.	1570.	1531.
143.	21	125	7.	1374.	1590:	1667.	1629.	1567.	1531;
175.	63	124	h.	1364.	1585.	1665.	1629.	1548;	1505.
208.		123		1366.	15854	1665.	1626.	1548.	1507.
240.		125		1377.	1582.	1662.	1626.	1562.	1521.
272.		126		1354	1582	1665.	1626.	1559.	1526.
305.		127		1390.	1582.	1662.	1629	1564.	1526.
F									
337.		126		1372	1579.	1659	1626.	1564.	1526.
370.		127		1397+	1582.	1662	1626.	1567.	1507.
382.		126		1387.	1582.	1659.	1629	1570.	1521.
399.		128		1397.	1585.	1665.	1631	1570 .	1521.
4154	37	126	2.	1387.	1585.	1665.	1631.	1567.	1518.
ALC	06/2			REVISED	DATE	•			EWA
HECK	E		6/29/62			ATED SHEAR			5-652
PR	EGBE	-141	416716G			0. 05652		PEC+ 0302	1
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T1	ME C		8-5 T-16	T-17	4-6 T-18	T-19	T-20	3- T-
35					REES FAHRE		**********	
1431	.57	1268.	1382.	15874	1665.	1631.	1570-	15
1447	• ((1280.	1402.	1587.1	1673.	16314	1583	10
1463.	.97	1291-	1413.		1667.		1580.	
4480	. 17	1293.	1402.				1572.	
1496	. 37	1293.	1415.	1590.	1665.	1634.	1580.	1
4512.		1278.	1402.		1687.	1634.	1572.	1
+526.			1387.	1587.	1447	1621	1 5 A Jr .	1 (
4527		1262.	1387.	1585.	1667.	1634,	1564.	13
#528.			1387.	1587.	1667.	1634.	1567.	15
4529.	. 31	1265.	1390.	1585.	1665,	1634,	1570.	1
+530.		1273.		1587.	1667			. 15
4546.		1273.	1413.	1587.		1631.		1:
1562.		1260.	1382.	1587.			1567.	
4578.		1296.	1410.	1585.	1665.	1631.	1578.	1
4595	14	1311.	1400.	1587.	1665.	16314	1578.	1.
4611.		1288.	1408.	1587.	1665.	1634.	1575.	1
4625		1278.	1400.	1587.	1665.	1631.	1583.	15
4627		1278.	1402.	1585.	1670#	16314	1586.	1
4628		1278.		1587.	1665.	1634.	1588.	15
1629.	.21	1288.	14024	1587:	1667.	1634.	1588.	15
4630.		1293.		1585.		1634.	1586.	15
4646.		1283.		1590:		1634.		1.5
46624		1273.		1587.			1580.	15
4678.		1280.		1587.			1586.	
4695.	09	1260.	1402.	1587.	1665.	1634.	1583.	15
4711.		1275.	1402.	1585.		1634.		15
4727.		1268.	1402.				1586.	15
4743.		1280.	1387	1587.		1634.	1586.	15
4759.		1283.	1415.	1587.	1670.	1637.	1594.	15
4776.	09	1275.	1408.	1590.	1670.	16392	1586.	15
1785.		1283.	1413.	1587.	1667.	1639.	1586.	15
4786.		1278.	1413.	1585.	1667.	1637.	1586.	15
4787.		1280:	1410.	1587.	1665.	1637	1586.	15
4789		1286	14 10.	1587.	1665.	1637	15834	15
4790.	13	1284.	1410.	1587.	1667.	1637.	1583.	15
4806.		1286.	1374.	1587.	1665.	1639.	1586.	15
4822.		1275.	1390.	1587.	1667.	1642.	1591.	15
4838.		1278.	1382.	1590.	1667.	1642.	1586.	15
4854.		1270.	1400.	1590.	1667.	1642.	15914	15
4871.	13	1293.	1421.	1590 -	1670.	1639.	1596.	15
CALC	06/	25/2	REVISED D	ATE	ATEN. CUPAN	f*	* 1	E
CHECK	EGB	ERT 15/29/6	7		ATED SHEAR 0. 05652		EL - PEC: 0302	5
APR					NO: 01		UN 11	
APR						G COMPAN		D2.
Şs	<u> </u>	<u> </u>	Ш	1		<u> </u>		PAC
	CT NO.	67				,	, '	FIC

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TI	4E								8-6 T- 20	
1					****	DEG	REES FAHREN			
4887.	.33	128	11.	1418.			1670.	1637.	15914 19	1542
1903		12		1415.			1665%			
4919				1418.	. 1	590.	1665.		1594.	
4935		12		1410.					1591.	
1952	13	120	5.	1408	1	590.	1662.	1642	1594.	1534
4968.		128		1410.		587.	1651.	1412.	15011.	
1984		12		1415.		585.	1648.	1642	1596.	1539
1993		121	7 5	1410.	1	585.		1412	1602	1537
4994		12	70	1410.	1	585.	1643.	1642.	15994	1537
1995.	87	12		1415.		585.		1642.		1537
4996.		128		1423.	1 (582.	1648.	1642.	1602.	1539
1998		128		1418.					1602.	
5014				1397				1642.		1542
								1645.		1526
5030. 5046.		126		1384.		577.	1640. 1638.	1645.		1526
5062	0.7	104		1392.		579.	1638.	1647.	1596.	1537
		126				577.			1504	1537
5079.		12		1410.			1638.	10414	1596. 1594.	1537
095		126		1400.		577.	1632.	1041	1591.	1542
111.		128		1410.		574.		1047	1599.	1542
127.	03	128	88.	1408.	13	574 .	1632.	1647.	1344.	1548
143.		127	0.	1402.	15				1594.	
160.		127	5.	1400.		574.			1599.	
176.	23	128	3.	1413.		574.		1650.	1602.	
5192.		127		1413.	1:			1650.	1602.	1542
5208	63	128		1413.		577:	1632,	1653.	1599.	1534
5224	83	127	3.	1413.		577.		1653.	1604.	
5241.		127		1418.			1635.	1669.	1612.	1539
5257.		127		1402.		593.	1643.	1671.	1612.	1542
5273.		128		1433.		01.	1648.	1677.	1618.	1545
5289.		128		1426.		03.	1648.	1679.	1610.	1534
5305.	83	129	3	1423.	16	01.	1651.	1677.	1607.	1531
5322		129		1423.		01.	1648.	1677.	1612.	1545
5330.		128		1408		03.	1646.	1679.	1607.	1542
5363.		129		1436.		03.	1643.	1682.	1618.	1550
5395		130		1426.		06.	1643.	1685.	1618.	1550
5427	87	128	3 .	1415.	1.4	03.	1643.	1685.	1610.	1531
5460		127		1400		06.	1643.	1685.	1578.	1507
5492.		115		1279.		666	1587.	1655.	1462.	1386
5525.		948		1114		70.	1465.	1583.	1336.	1225
5557		992		1119.		08.	1405.	15434	1349.	1277
	n/	/25/2	· 	REVISED	DATE .					EW
CALC	-					ORRU	SATED SHEAR	WEB P	ANEL	5-6
CHECK	EG	BERT	6/29/62				10. 05652	4	SPEC. 0302	
APR			ļ <u> </u>				. NO. 01		RUN 11	D2-80
APR.	+	. `			ì	1.9	THE BOE	NG COMP	ANY	PAC
			1	, ,		7		7.		F16.
CONTRA	CTN	10.			ŀ					1 '

1.200

TIME T-15	T-16	T-17	T-18	T-19	8-6 T-20	3-7 1-21
5589.87 1005. 5622.27 1041. 5654.67 872.6 5687.07 695.7 5719.47 748.0	1150. 1006. 888.5	1364. ' 1328. ' 1305. 1242.	1393.	1511. 1467. 1426. 1375. 1323.	13462	1303. 1323. 1127. 969.7 1044.
5751.87 791.3 5784.27 796.3 5816.67 816.7 5849.07 672.1 5881.47 478.5	908.8 929.2 784.1	1113. 1103. 1087.		1292. 1256. 1236. 1207. 1158.	1141. 1149. 1146. 969.4 880.7	1109. 1122. 1122. 888.1 737.1
	,533.7 646.3 633.3	909.6 886.6 871.2	976.9 966.7 964.1	1107. 1061. 1038. 1020. 999.0	738.4 766.6 883.2 857.8 890.8	632.1 750.2 860.0 865.1 883.0
5075.87 585.8 5108.27 324.1 5140.67 241.5 6173.07 231.0 5205.47 225.8	415.9 291.7 244.2	822.7 769.0 706.4	979.4 887.6 798.4 718.4	986.3 948.2 899.9 856.7	895.9 628.8 498.4 459.3 448.8	877.9 537.5 448.2 443.0
6237.87 231.0 6270.27 236.2 6302.67 246.7 6335.07 249.3 6367.47 257.1	233.7 244.2 252.0	564.4 53 5. 5 514.4	579 ₆ 3 563.5 555.6	755.1 729.1 705.6	454.0 454.0 459.3 459.3 456.6	453.5 456.1 471.8 469.2 471.8
6491-21 121-1 6521-33 113-2 6551-15 110-6	155.2 128.9 121.1 118.4	148.6 127.6 106.6 185.0	508.4 471.7 442.8	619.3 598.4 577.5	422.7 299.2 262.0 241.2 233.4	421-9 265-4 218-2 199-8 189-3
6581.14 107.9 6610.407 107.9				538.3	225.6 217.7	189.3 181.5
			, (3)* - **	1'	*	
				h g, s	Book of	
CALC 06/25/2 CHECK EGBERT 6/29/2 APR	REVISED DATE		05652	VEB PANEL SPEC RUN	C+ 0302	EWA 5-652 D2-80081
CONTRACT NO.		1	THE BOSING	COMPANY	;	PA: ,

U6 5553 7450

	_							4
,	TIME	4-7 T-22	7-7	8-7	3-8	4-8	7-8	8-8
	SEC.	1-22		T-24	T-25	Y-24	T- 27	* 0
				DE	GREES FAHR	RENHEIT		
	. 33	107.8	94.68	,	, (
	.87	107.B	94.68	07 1.2	97.11	105.0		
	33.27	110.4	94.68	105 3	99.76			
	5.67	113.1	94.68	134.0	131.5	102.4		94.
9	8.07	121.0	97.32	144.7	139.4	107.7		
1 2	Δ 1. Ý	• • • •					10240	
	0.47 2.87		99.95	139:5	139.4	110.3	110.5	113.
	5.27	131.5	105.2	121-1	120.9	110.3		118.
	7.67	150.0	105.2		123.6		126.3	129.
	0.07	184.1	107.9 113.1	189.2	192.0	123.6	134.2	139.
		1.,	11301	249.3		150.0	147.4	
	2.47	218.2	121.0	299.6	314.2	104.0		
	4.87	260.1	144.7	383.6	385.1	186.8		_
	7.27	297.5	186.6	454.8	438.2	257.7	176.2	
	9.67	338.3	228.5	483.6	464.5		194.5 223.3	
	2.07	379.1	278.3	538.5	517.2		254.7	
	4.47	6.14	20:	*		+4	23441	257.
	5.87	415.6 453.4	324.4	554.4	530.3	374.1	281.0	288.
	2.27	490.1	370.6	583.0	569,8	409.3	313.6	318.
	63	511.1	410.9 434.5	609.1	596.1	448.7	340.7	348.
	.91	487.5	486.9	619.6	611.9		357.0	367.
		101.5	400.9	478.4	446.1	472.4	471.3	473.
	1.31	508.5	494.8	562.1	543.5	1,00,0		
9/0		561.0	513.1	651.0	640.8	488.2 527.6	473.9	478.
1003		605.7		664.1	646.1	564.5	484.4	499,7
1035		639.8	568.2	687.6	672.4	596.1	497.5 515.9	
1067	.91	679.2	597.0	721.6	717.1	630.3	536.8	520.4 544.0
1100	2.1	710.7	, , ,	4 4			1	2444 (
1132		742.2			706.6	664.5	557.8	562.3
1165		765.4	654.7 683.5	745.1	738.2	701.3	584.0	585.8
1197		785.8		742.5	711.9	722.3	605.0	609.4
1229		819.0	715.0 746.4	796.1	779.4	748.7	628.6	635.6
	• / •	317.0	140,4	836.8	820.3	784.5	652.2	656.5
1262.		844.5	774.5	882.5	858.7	912 4	170 .	
1294		849.6	797.5	877.4	822.9	812.6 822.8	678.4	682.7
1327.		844.5	812.7	885.1	820.3	820.3	694.1	701.0
1359.		841.9	825.5	885.1	828.0	817.7	707.2 717.7	714.1
1391	91	836,8	835.7	885.1	820.3	815.2	725.6	727.1 735.0
1424.	21	021. 2	020 0	1			,	12240
1424.		834.3 834.3	838.2	887.6	820.3	815.2	730.8	742.8
489.		836.8	838.2 838.2	874.9	815.2	812.6	733.5	748.1
521.		839.4	840.7	872.4	807.5	812.6	736.1	750.7
553.		844.5	843.3	880.0 892.7	805.0	815.2	741.3	755.8
,				U72,41	810.1	820.3	741.3	755.8
ALC	06/2	25/2	REVISED DAT					T EWA
HECK	EGBE	ERT 6/29/62		CORRUGA	TED SHEAR	WEB PANE	į, į	5-652
\PR		1 1 1 1 1 1		- EWA NO	• 05652		EC: 0302	J=00K
PR				COND.	NO. 01	RUI	N 11	D2-80081
		1 1		- ,	THE BOEIN	G COMPANY		
	L			7.	1 ,	'	.1	PAG.
ONTRAC					,		4	FIG. 251
6 5553 7								11 10,601

1 TIME	4-7 T-22	T-23	T-24	3-8 1-25	1-26	1-27	8-8 T- 29
SEC.		****	DEG	REES FAHRE	NHEIT		
1586,31	867.4	848.4	920:7	874.0	835.6	749.2	763.4
1618.71	900.6	856.0		. 904.7		756.9	773.0
1651.11		873.9	981.6	930.3	894.4	769.6	791.1
683.51	964.4	896.8	10124	955.8	927.7	787.4	806.6
1715.91	995.0	922.3	1030.	973.7	958.3	805.3	827.0
1748.31	1026.	950.3	1064.	1007.	991.6	825.7	847.3
1700.11	1052.	9/5.1	1402.	10384	1025.	ALA. A	872.7
		1009:	1115.	1054.	1056.	871.5	878.2
		1042.	1151.	1098.	1092	897-0	923.6
1877.91	1135.	1073.	1174.	1111.	1118.	925.0	949.0
1910.31	1166.	1107.	1180.	1142.	1149.	950.5	977.0
2264.01	1171.	1135.	1030.	1004.	1139.	1115.	1118
2296.41	1184.	1138.	1046.	1033.	1140.	1125.	1129.
2328.81	1010			1077.	1173	1143.	1144
2361.21	1246.	1197	1133.	1108.	1201.	1167.	
393.61	1274.	1220.		1129.	1232.	1195.	1201.
426.01	1310.	1249.	1177.	1150.	1269.	1223.	1232.
458.41	1341.	1280.	1218.	1183.	1269. 1300.	1257.	1260.
490.81	1370.	1313.	1262,	1219.	1325.	1288.	1293.
523.21	1401.	1349,	1301.	1263.	1357.	1321.	1322
555,61	1429.	1380 •	1 2 2 2	1289.	1285	1352.	1200
588.01		1411.	1362		1426.		
620.41		1437.		1346.			
6521		1468.		1375.			1420.
685.21		1494.	1440.		1518.	1484.	1487.
717.63	1587.	15 18 .	1422.	1700	1545.	,	
750.01							
782.41	1593. 1593.	1534. 1587.	1442.		1553.	1542.	1540.
814.81	1595.		1486.	1398.	1545.	1577.	
847.21	1595.	16 19 • 1636 •	1486.	1398.	1545.	1607.	1606.
041461	13734	(0304	1478.	1388.	1539.	1633.	1630.
879.61	1587.	1646.	1478.	1388.	1529.	1655.	1649.
912.01	1585.	1622.	1411.	1362.	1518.	1665.	1654.
944.41	1590.	1587.	1440.	1372.	1520.	1663.	1652.
976.81	1470.	1499.	923.2	899.6	1414.	1636.	1604.
009.21	4313.	1337.	679.8	680.3	1250.	1574.	1537.
041.61	1207.	1233.	918.1	828.0	1124.	1521.	1484.
074.01	1142.	1184+	943.5	853.6	1033.	1465.	1438.
106.41	1124.	1161.	996.9	922.6	1010.	1419.	1394.
138.81	1119.	1156.	991.8	927.7	1012.	1383.	1358.
171.21	1132:	1169.	1023.	968.6	1028.	1355.	1335.
ALC 06/2	25/2	REVISED DA	ATE			•	EWA
			CORRUG	ATED SHEAR	WEB PAN	EL 🔳	5-652
	RT 6/29/62			0. 05652		PEC. 0302	7-676
PR				NO. 01		UN 11	02 024
PR ·			,		NG COMPANY		_D2-8008
/ (,		· i	,		PAC .
NTRACT NO.				*	,		F16.25
		······					

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2344.8	
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	.*						
TIME SEC.	T-22	T-23	T-24	3-8 T-25 EES FAHREN	T-26	T-27	
3203.61 3236.01				963.5 968.6			
	1160.	1202.				1296	
300.81	1197.	1233.	1167.		1118.	1298.	1293.
333.21	1235.	1270.	1200.	1129.	1162.	1309.	1306.
2715	1271.	1200	1221	1150.	1100	1221	1319.
3305 ~ 61 3398.01	1297.	13004	1221	1150	1227.	1321	1317.
3430.11	1323.	13494	1229.	1175.	1253.	1337. 1355.	1355.
3462.81	1354.	1375.	1257	1196.	1284;	1373.	1376.
3495-21	1380,	1401.	12934	12192	1310.	1394.	1397.
3527.61	1411.	13.27.	1324	1253;	1341.	1417.	1417.
	1445.	1455.	1355+	1292.	1377.	1435.	1440.
3542.41	1478.	1481.	1375	1307.	1414.	1461.	1461.
3624.81	1510.	1507.	1396.	1326.	1439.	1484	1484.
657.21	1539+	1534.	1427.		14684	•	1
3687.61	1571.	1561. 1585. 1595. 1601.	1450.	1380. 1383. 1372.	1499.	1529. 1548. 1566.	1532.
3722.01	1585.	1585.	1445.	1383.	1520.	1548.	1545.
3754.41	1593.	1595	1447.	1372.	1520.	1566.	1564:
786.81	1595.	1601	1429.	1364.	1518.	1582.	1574.
1819.21	1595	1598.	1427.	1354,	1510.	1599.	1593.
851.61			1422.		1518.	1615.	1609.
884.01		1614.			1510.		
1916.41		1617.			1520.		
3948.81 3981.21		1619. 1619.			1526; 1523.		
701.21							, 1
1013.61	1598,	1619.		1364.	1520.	1663.	1646.
1046.01	1598.	1614.	1437.	1370.			1652
078.41	1606.	1619;	1455. 1460.	1390. 1388.	1539. 1529.	1671.	1649.
110.81	1603. 1603.	1619. 1619.	1460.	1393	1531.	1673.	1660.
			a - 1			1	
175.61	1595.	1614.	1442.	1370.	1529. 1520.	1673. 1671.	1657.
208.01	1590. 1587.	1614. 1614.	1437. 1429.	1364; 1357.	1507.	1673.	1657.
240.41	1593.	1611.	1434.	1385.	1520.	1673.	1660.
305.21	1570.	1611.	1432.	1354.	1510.	1676.	1662.
227 11	1507	1611.	1447.	1370.	15044	1673.	1660.
337.61	1587 . 1582 .	1609.	1434.	1357.	1496.	1676.	1665.
382.97	1579.	1614.	1442	1370.	1494.	1676.	1662.
379.17	1582.	1614.	1440.	1364.	1499*	1679.	1662.
415.37	1585.	1614.	1450.	1375.	1502.	1676.	1662.
ALC 06/	/25/2	REVISED C	DATE		, 1 5 ,		EWA
	in Ante	2		ATED SHEAR			5-652
191	and the same of th			0. 05652 NO. 01		PEC. 0302 UN 11	D2 C
APR .	en app das a chéalagan a s		COND		IG COMPAN		D2-8008
		1:		- 1		. '	PAC'
	and the second s		,		, h	1	FIG. 25
one trino							2.5000

- 1								
		4-7	7-7	0 4				ì
	TIME	1-22	T-23	8-7 1-24	3-8	4-8	7-8	8-8
	SEC.	-		DF	J-25 GREES FAHA	T-26	T-27	1-29
1,1	431.57	1500		7.1	*, * * * * *	CAUCT 1		
	447.77		1611.	1437.	1 13674	1507.	1676.	1665.
	163.97		1614.	1447.		· 1510.	1676.	1668.
	180.17		1614.	1442.	1375.	1515.	1679.	1671.
	196.37	1595.	1614. 1614.	1447.	1383.	1520.	1684.	1671.
		•		1947.	1375.	1520-	1679.	1671.
	12.57	1587.	1614.	1447.	1364.	1520.	1.00	
#5	26.07	1585.	1611.	1437.	1377	1520.	1681.	1671.
	27.15	1585.	1611.	1432.	1377	1520.	1681. 1679.	1671.
	28.23	1587.	1614.	1437.	1375.	1520.	1681.	1671.
1,3	24.21	1587.	1614.	1437.	1372.	1518.	1681.	1671.
45	30.39	1585.	7477	41.00		}	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10111
1.5	46.59	1587.	1611.	1437.	1367.	1518.	1684.	1671.
	62.79	1587.	1609.	1452. 1452.	1383.	1518.	1684.	1671.
	78.99	1587.	1609.	1458.	1388.	1520.	1681.	1671.
45	95.19	1593.	16062	1442.	1388. 1383.	1523.	1681.	1671.
Ι.				14466	1303.	1526.	1681.	1673.
	11.39	1593,	1609.	14554	1375.	1523.	1679.	1 4 4 5
	25.97	1593.	1611.	1450.	1388.	1529	1681.	1671.
	27.05	1590.	1611.	1450:	1388.	1529.	1681.	1673.
	28.13	1587.	1609:	1447.	1385.	1526.	1681.	1673.
402	27.21	1595.	1609.	1445.	1383.	1526.	1681.	1671.
63	30.29	1590.	1611.	4 4 4 9		•		,
	16.49	1587.	1611.	1447.	1383.	1526.	1681.	1671:
	2.59	1587.	1609.	1445.	1370.	1526,	1681.	1671.
	8.89	1585.	1611.	1452.	1383.	1520.	1681.	1673.
	5.09	1585.	1614.	1452.	1383. 1375.	1518.	1681.	1671.
				1434	1212	1518.	1681.	1668.
	1.29	1585.	1609.	1450.	1380.	1520.	1681.	1.7.24.4
	7.49	1585.	1611.	1460.	1383.	1520	1684.	1673.
,	3.69	1587.	1611.	1465.	1398.	1526.	1684.	1576. 16 76.
	9.89 6.09	1590.	1614.	1465.	1390.	1526.	1684.	1673.
+ 11	0.09	1593.	1611.	1468.	1393.	1523.	1684.	1676.
478	5.81	1590.	1614.	11.72		à .	•	
	6.89	1590.	1617.	1463.	1388.	1520.	1684.	1673.
	7.97	1587.	1614.	1463.	1390.	1520.	1684.	1676.
4789		1587.	1614.	1465. 1463.	1390.	1520.	1684.	1679.
4790		1587.	1614.	1463.	1388. 1390.	1518.	1684.	1676.
	•			,	13704	1520.	1687.	1676.
4806		1590.	1617.	1460.	1398.	1529.	1461	1 / ""
4822		1590.	1617.	1463.	1396.	1529.	1681. 1681.	1673.
4838		1590.	1619.	1458.	1396.	1534.	1681.	1676.
4854		1590.	1619.	1468.	1398.	1531.	1684.	1676.
4871	• 15	1590.	1617.	1471.	1396.	1529.	1687.	1676.
CALC	06/2	5/2	REVISED DAT	E		1	, L	
			y V	Ì	TCO Chesa	1 5	1	EWA
CHECK	EGBE	ERT 6/29/67		- FWA NO	TED SHEAR . 05652			5-652
APR				COND.	4 03032 NO. 01		C. 0302	
APR				70,100			1 11	D2-80081
			A :	10	THE BORIN	IG COMPANY		1
CONTR	ACT NO.	C in		1 ,	,	1		PAC
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T1:	uc	4-7	7-7	8-7	3-8	4-8	7-8	8-8
SEC		7-22	T-23	T-24	T-25 REES FAHRE	T-26	1-27	T-29
0.00		•			4 (14 1	
1887.		1593.	1614.	1460.	1383,	1526.	1684.	
919		1590.	1614.		13774			1676.
935		1590.	1617.	1463. 1463.	1393. 1398.		1681.	
952.	. 13	1590.	1611.	1460.	1385.	1529.	1684.	
968.		1590.	1609.	1465.	1385.	1526.	1687.	1679.
984.	-	1587.	1609.	1478.	1396.	1523.	1684.	1679
993.		1585.	1606.	1478,	1403.	1526	1687.	1679.
994.			1606.	14714	1396.	1526.	1684.	1679;
995.	87	1587.	1606	14684	1398.	15264	1684;	1679
996.		1585.	1606.	1465.	1398.		. 1684.	1681.
998.		1587.	,1609.			1523.		1681.
030.		1585. 1585.	1609.	1465. 1460.		1523.		
046.		1582.	1606.	1463.		1523 ₄ 1523 ₄		1681:
	t	1	<i>r</i> ,				1 .	1004
062.		1582.	1603.	1473.		1526.		1681.
079.		1585.	1603.		1403.	1526.	1690.	1684
111.		1585 _*	1603.	1468. 1476.	1403. 1403.	1526. 1529.	1687	1681
127.		1593.	16014	1463.	1408.	1534	1687. 1690.	1684. 1684.
143.	83	1590.	1598.	1468.	14034	1534.	1690.	1484
160.		1590.	1598.	1460.		1539	1690.	
176.	23	1590.	1601.	1476.		15374	1690.	1687.
192.		1593.	1603.	1465.	•	1537.	1692.	1687.
208.	63	1587.	1603.	1473.	1403.	1531.	1695.	1689.
224.		1587.	1603.		1406.	1534.	1695.	1689:
241.		1587.	1617.	1486.	1403=	1534.	1698.	1692.
257.		1587.	1628.	1478.	1403.	1537.	1703	1697.
273. 289.		1590.	1636. 1641.	1494.	1408. 1406.	1534 a	1709. 1714.	1700. 1705.
;		•	4 1	<u> </u>	s •	*		, ,
305.		1585.	1638.	1486.	1403.	15424	1717.	1708.
322		1587.	1638.	1491.	1414.	1537.	1717.	1708.
330. 363.		1590. 1587.	1638. 1641.	1483. 1486.	1414. 1398.	1542 ₊ 1531 ₊	1717. 1717.	1711. 1708.
95.		1587.	1646.	1481.	1401.	1526.	1720.	1708.
27.	87	1587.	1646.	1486.	1403.	1520.	1723.	1708.
60.		1574.	1646.	1478.	1390.	1510.	1720.	1705.
92.		1523,	1619.	1398.	1315.	1471.	1703.	1684.
25.		1421.	1520 .	1247.	1165.	1364.	1660.	1638.
557.1	47	13754	1471.	1277.	1188.	1313.	1617.	1596.
ALC	06/2	15/2	REVISED	DATE ,	4 *** 0.1040	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ed .	EWA
HECK	EGBE	RT 6/29/62			ATED SHEAR	WEB PAN		5-652
PR					NO. 01		PEC# 0302 UN 11	
PR				-	 	NG COMPAN		D2-800
			,		'\	, , , , , , , , , , , , , , , , , , , ,	*	PAL
ONTRAC	CT NO.	v					+	FIG. 2
	7450				*******************************	······		2-5000

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	IME		-7 -22	7-7 1-23	T-24	3-8 T-25	4-8 T-26	7-8 1-27	8- T-
21	EC.	****			DEG	REES FAHR	ENHEIT		
5589	9.8	7 1	365.	1440.	1249.	1188.	1300-	1580, 11	15
5622	2.2		367.	1386.			1292.	1540.	15
5651	+.6		328.	1344.		1049.	1258	1505.	14
568			220.	1280.			1154.	1456.	14
5719	9.4	7 1	160.	1223.		958.4			
575			153.	1184.		1002+	1069.	1365.	139
578L			155.	1161.		994.2	1072.	1332.	13
5849			155. 119.	1146. 1122.		984.0	1074.	1301.	12
5881			023.	1061.		828.0 685.6	1041.	1275.	12:
5913	8.8	7 9	44.0	996.1	648.4	580.3	861.2	1203.	. 119
5946	.27	7 9	08.3	945.2		656.6	822.8	1159.	111
5978	3.67	7 9	03.2	922.3		771.8	815.2	1128.	11
6011	.07	7 9	08.3	909.5		769.2	825.4	1097.	10
6043	3.47	7 9	13.4	904-4		776.9	833.1	1069.	100
5075			15.9	901.9		764.1	835.6	1050.	101
p108			44.5	858.8		485.6	764.0	1022.	10
6140			83.2	800.0		385.1	698.7	991.3	982
6173			29.1	733.3		382.3	643.4		949
5205	• 4 /		84.4	678.3	351.1	379.6	596+1	925.0	918
6237			50.3	625.8		390+5	559.2	897.0	888
6270			13.5	583.9		401.4	525.0	869.0	860
6302			92.5	552.4		393.2	496.1	843.5	832
6335 6367			74.2	526.2 505.3		396.0	475.0	818.0	809
				4 4		398.7	454.0	792.5	783
6431			16.4	471.2		368.7	417.1	749.2	742
6461			20.1	452.8			393.2	728.2	716
6491			6.8	431.9			366.0	707.2	701
6521 65 5 1			35.0 18.7	408.3 384.1	165.7	163.1 147.4	341.4	688.9	682
				14.73	152.6		319.6	667.9	661
6581			13.7	362.4	144.7	136.8	300.5	652.2	646
6610	4 O f	31	2 i l	343.4	136.9	128.8	281.4	636.5	630
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CALC	0	6/25/	2	REVISED	DATE	+ 1,	* s,)	EV
CHECK	E	GRERT	1/29/	/2		ATED SHEAF			51
APR	- -	J	187 41/1	'		0. 05652		PEC. 0302	,
APR					the state of the s	NO. 01		UN 11	DZ-80
	+			à - 2	2, 1	THE BOE	ING COMPAN	Υ	PAGE
			, 	11		1		t ,	_
		NO.							F16,

	ME C.	3-9 T-30	4-9 T-31	1-32	8-9 T-33 Grees Fahre	7-34	4-10 1-35	7-10 T-36
33	• 33 • 87 • 27	97.14 97.14 105.1 139.4 181.5		√,	97.72 197.72 105.6	97.35 97.35 97.35 105.2	102.7 100.1 105.3 113.2 118.5	97.47 102.7
162 195 227	•47 •87 •27 •61	215.7 213.0 226.2 247.2 270.8	202.6 213.1 234.1 257.8 284.3	184.0 197.0 217.9 238.8 264.9	207.2 207.2 217.5	113.1 115.8 115.8 121.0 131.6	123.7 123.7 123.7 129.0 144.7	113.2 113.2 113.2 115.9 123.7
324 357 389	•47 •87 •27 •67	295.0 327.7 360.4 390.4 427.5	308.8 344.3 371.6 401.5 435.7	291.4 321.2 348.3 375.4 407.7	279.9 312.2 347.3 376.9 414.1		160.4 184.0 202.2 228.4 249.3	
454 486 519 537 905	. 27	459 41 485 4 511 7 527 4 509 0	470.0 496.3 525.2 541.0 546.3	436.4 465.2 494.0 514.9 546.3	442.8 471.4 494.8 513.0 502.6	254.6 278.2 305.3 321.6 394.8	275.4 307.7 334.9 348.4 415.6	217.9 244.0 254.8 277.9 367.2
938 970 1003 1035 1067	71 11 51	524.8 561.6 603.7 637.9 664.2	562.1 591.1 620.0 649.0 680.6	559.3 582.9 609.0 635.2 661.3	518.2 552.0 588.4 619.6 648.2	400.3 423.8 450.0 473.6 497.2	418.2 447.0 475.8 501.9 530.7	372.6 391.6 410.2 1 446.7
1100. 1132. 1165. 1197. 1229.	.71 .11 .51	693.1 716.8 737.8 761.2 784.2	706.9 728.0 756.7 782.3 810.4	687.5 713.6 739.8 765.5 790.9	676.8 697.7 718.5 739.3 764.8	520.8 544.3 567.9 586.2 612.4	556.8 583.0 609.2 627.5 656.2	472.9 493.8 514.7 533.0 556.5
1262. 1294. 1327. 1359.	-71 -11 -51	789.3 784.2 773.9 768.8 766.3	815.6 818.1 813.0 813.0 810.4	803.6 811.2 811.2 813.7 816.3	769.9 767.4 764.8 759.8 757.3	638.6 657.0 664.8 677.9 680.5	682.4 700.7 708.5 713.8 719.0	582.6 598.3 611.4 621.8 629.7
1424. 1456. 1489. 1521. 1553.	71 11 51	763.7 763.7 771.4 766.3 768.8	810.4 810.4 802.8 807.9 810.4	813.7 816.3 816.3 816.3	754.7 757.3 764.8 759.8 764.8	688.4 694.0 696.3 701.5 706.7	721.6 724.2 734.7 737.3 739.9	637.5 642.7 653.2 655.8 661.0
CALC CHECK APR	06/2 EGB	FRT 14/10/112	REVISED DA	ORRUG	ATED SHEAR 0. 05652 NO. 01 THE BOEIN	\$ 6	PEG. 0302 JN 11	EWA 5-652 D2-8031
CONTRA		*			THE BOEIN	COMPANT		F16.257

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T-30 T-31 T-32 T-33 T-34 T-35 T-34 T-36 T-36 T-36 T-36 T-36 T-36 T-36 T-36	3.3 687.2 8.7 702.9 1.6 721.1 7.0 744.7 2.4 765.1 5.3 785.4 3.2 810.8 6.1 833.7
SEC. 1586.31 794.4 833.5 834.1 782.5 717.2 75 76 76 77 78 79 79 79 79 79 79	2.9 671.5 3.3 687.2 8.7 702.9 1.6 721.1 7.0 744.7 2.4 765.1 5.3 785.4 3.2 810.8 6.1 833.7
1586.31 794.4 833.5 834.1 782.5 717.2 75 1618.71 830.1 864.2 859.5 820.4 738.2 77 1651.11 865.9 892.3 884.7 850.8 758.9 79 1683.51 886.4 917.9 907.8 871.0 781.8 82 1715.91 909.4 943.5 933.2 896.3 804.7 84 1748.31 932.4 974.2 966.2 919.0 825.0 87 1780.71 957.9 997.2 986.5 944.3 850.5 89 1813.11 986.0 1026. 1012. 972.1 875.9 92 1845.51 1009. 1052. 1040. 994.8 903.9 94 1877.91 1035. 1077. 1064. 1015. 926.8 97	2.9 671.5 3.3 687.2 8.7 702.9 1.6 721.1 7.0 744.7 2.4 765.1 5.3 785.4 3.2 810.8 6.1 833.7
1618.71 830.1 864.2 859.5 820.4 738.2 77 1651.11 865.9 892.3 884.4 850.8 758.9 79 1683.51 886.4 917.9 907.8 871.0 781.8 82 1715.91 909.4 943.5 933.2 896.3 804.7 84 1748.31 932.4 974.2 966.2 919.0 825.0 87 1780.71 957.9 997.2 986.5 944.3 850.5 89 1813.11 986.0 1026. 1012. 972.1 875.9 92 1845.51 1009. 1052. 1040. 994.8 903.9 94. 1877.91 1035. 1077. 1064. 1015. 926.8 97	3.3 687.2 8.7 702.9 1.6 721.1 7.0 744.7 2.4 765.1 5.3 785.4 3.2 810.8 6.1 833.7
1651.11 865.9 892.3 884.7 850.8 758.9 791.8 1683.51 886.4 917.9 907.8 871.0 781.8 821.1 1715.91 909.4 943.5 933.2 896.3 804.7 84 1748.31 932.4 974.2 966.2 919.0 825.0 87 1780.71 957.9 997.2 986.5 944.3 850.5 89 1813.11 986.0 1026. 1012. 972.1 875.9 92 1845.51 1009. 1052. 1040. 994.8 903.9 94 1877.91 1035. 1077. 1064. 1015. 926.8 97 1910.31 1066. 1109. 1094. 1046. 949.8 99	3.3 687.2 8.7 702.9 1.6 721.1 7.0 744.7 2.4 765.1 5.3 785.4 3.2 810.8 6.1 833.7
1683.51 886.4 917.9 907.8 871.0 781.8 82 1715.91 909.4 943.5 933.2 896.3 804.7 84 1748.31 932.4 974.2 966.2 919.0 825.0 87 1780.71 957.9 997.2 986.5 944.3 850.5 89 1813.11 986.0 1026. 1012. 972.1 875.9 92 1845.51 1009. 1052. 1040. 994.8 903.9 94 1877.91 1035. 1077. 1064. 1015. 926.8 97 1910.31 1066. 1109. 1094. 1046. 949.8 79	7.0 744.7 7.0 744.7 2.4 765.1 5.3 785.4 3.2 810.8 6.1 833.7
1715.91 909.4 943.5 933.2 896.3 804.7 84 1748.31 932.4 974.2 966.2 919.0 825.0 87 1780.71 957.9 997.2 986.5 944.3 850.5 89 1813.11 986.0 1026. 1012. 972.1 875.9 92 1845.51 1009. 1052. 1040. 994.8 903.9 94 1877.91 1035. 1077. 1064. 1015. 926.8 97 1910.31 1066. 1109. 1094. 1046. 949.8 99	7.0 744.7 2.4 765.1 785.4 3.2 810.8 6.1 833.7
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1748.31 932.44 974.2 966.2 919.0 825.0 87 1780.71 957.9 997.2 986.5 944.3 850.5 89 1813.11 986.0 1026. 1012. 972.1 875.9 92 1845.51 1009. 1052. 1040. 994.8 903.9 94 1877.91 1035. 1077. 1064. 1015. 926.8 97 1910.31 1066. 1109. 1094. 1046. 949.8 79	2.4 765.1 5.3 785.4 3.2 810.8 6.1 833.7
1780.71 957.9 997.2 986.5 944.3 850.5 89 1813.11 986.0 1026. 1012. 972.1 875.9 92 1845.51 1009. 1052. 1040. 994.8 903.9 94 1877.91 1035. 1077. 1064. 1015. 926.8 97 1910.31 1066. 1109. 1094. 1046. 949.8 99	5.3 785.4 3.2 810.8 6.1 833.7
1813.11 986.0 1026. 1012. 972.1 875.9 92 1845.51 1009. 1052. 1040. 994.8 903.9 94 1877.91 1035. 1077. 1064. 1015. 926.8 97 1910.31 1066. 1109. 1094. 1046. 949.8 99	3.2 810.8 6.1 833.7
1877-91 1035. 1077. 1064. 1015. 926.8 97. 1910-31 1066. 1109. 1094. 1046. 949.8 99	6.1 833.7
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10404 74740 77	0.6 1.001.5
2264.01 1195. 1241. 1241. 1174. 1037. 10	9.5 881.9 74. 978.4
2296-41 1216. 1261. 1259. 1194. 1047. 101	82. 986.1
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2393.61 1338. 1368. 1347. 1307. 1106. 119	
2393.61 · 1338. 1368. 1347. 1307. 1106. 119 2426.01 1366. 1399. 1375. 1338. 1145. 119	
2458.41 1397. 1427. 1406. 1366. 1184. 122	
120	54. 1153.
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2555.61 1496. 1527. 1501. 1466. 1277. 131 2588.01 1528. 1562. 1530. 1491. 1307. 139	
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2620.41 1557. 1586. 1563. 1520. 1341. 138 2652.81 1592. 1621. 1592. 1555. 1377. 141	36. 1279.
2685.21 1624. 1653. 1624. 1584. 1411. 145	
	15456
	78. 1367.
2750.01 1665. 1693. 1669. 1627. 1449. 148	
2782.41 1689. 1710. 1685. 1653. 1454. 149 2814.81 1722. 1735. 1704. 1677. 1478. 151	
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2847-21 1736. 1746. 1718. 1693. 1485. 151	
2879.61 1744. 1752. 1724. 1698. 1485. 151	
2912.01 1739. 1746. 1726. 1704. 1485. 151	
2944.41 1733. 1757. 1740. 1698. 1490. 151	
2976.81 1641. 1672. 1675. 1611. 1449. 145	
3009.21. 1533. 1605. 1616. 1510. 1359. 135	
3041.61 1459. 1537. 1552. 1443. 1282. 127	0. 1256.
3074.01 1405. 1474. 1486. 1386. 1212. 120	
3106.41 1364. 1422. 1432. 1343. 1168. 115	
3138.81 1330. 1373. 1383. 1307. 1142. 113	3. 1109.
3171.21 1302. 1331. 1344. 1281. 1149. 112	
CALC 06/25/2 REVISED DATE	EWA
CALC DOVEST TO CONTRACT OF TAKET	
EWA NO. 05652 SPEC.	
COND. NO. 01 RUN 11	DZ-80081
THE BOEING COMPANY	
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	IME	3-9 T-30	1-51	1-37	8-9 T-33	T - 7 h	* 76	# 71
2	EC.	-	~~~~	DE	GREES FAHR	ENHEIT	********	
320	3.61			1714	1266.			
	6.01		1311.	1313.	1266.	1106.	· 4110.	1066
	8.41		1300.	1303.	1261.	1093	1105.	1050
	0.81		1306. 1331.	1305.	1279.	1093.	1105.	1045
	3.21		1331.	1321.	1312.	1099.	1118.	1042
333	1 2 4 6	1371,	1357.	1347.	1543.	1117,	1146.	1071
	5.61	1395.	1388.	1367	13712	1145	1177.	1000
	8.01	1421.	1409.	1394.	1389	11745		
	0.41	1444.	1438.	1416.	1400	11104	1211.	1130
3462	2.81	1462.	1466.	1430	1389. 1409. 1430.	12026	1234.	1145
3495	5.21	1483.	1487	1469.	1450	1253.	1262.	1174 1205
3623	7.61						4 , 1	7.
3560		1504. 1522.	15 1 1 a 15 29 .	1486.	1468.	1287	1321:	. 1241
	2.41	1541.	1546.	1509.	1486.	1323	1255.	1274
3624		1563.	1567.	1525.	15044	1356.	1391.	1310
3657		1576.	1578.	1544.		1390.	1422.	1346
4		3		1557,	1539.	14344	1465.	1397
3689	.61	1592.	1594,	1576.	1555	1472	1499.	16.81
3722		1614.	1618.	1600.	1501	11.07		1124
3754		1651.	1653.	1629.	1616.	1501,	1520.	1436
3786		1686.	1691.	1664.	1645	1496.	1518.	1433.
3819	.21	1702.	17104	1683.	1664.	1493.		1426.
3851	.61	1716.	1735.	1701.	1677.	1		J
3884		1725.	1741.	1713.	1688.	1490. 1485.	1518.	1423.
3916		1741.		1732.	1701.	14854	1512.	1421,
3948		1744.		1735.	1698.	1405.	1515.	
3981.		1739.	1766.	1743.		1485. 1485.		1418. 1421.
013.	.61	1733.	1766.	1746.				
1046		1733.	1763.	1743.	1696	1485.		1418.
078	41	1733.	1763.	1743.	1696.	1485.	1512.	1418.
110		1736.	1763.	1745.		1490.		1421.
143.		1739	1766.	1749.	1698.	1488.	1515.	1418.
. 734	- I	11476	11003	1144	17046	14854	1515.	1415,
175.		1739.	1760.	1751=	1701.	1488.	1510.	1418.
208.		1736.	1763.	1746.	1704.	1485.	1510.	1421.
240.		1739.	1763.	1751.	1704.	14884	1510.	1421.
272.		1739.	1766.	1746.	1701.	1488.	1510.	1421.
305.	21	1736.	1763.	1746.	1704.	1488.	1512.	1421.
337.	61	1736.	1763.	1749.	17014	1485		
370-		1736.	1763.	1749.	1704.	1485.	1510.	1421.
382.		1736.	1769.	1746.	1704.	1480.	1510:	1421.
399.		1736.	1766.	1749.	1704.	1485.	1510.	1421.
115.		1741.	1763.	1751.	1709	1485.	1510. 1510.	1421.
	1.64	26 (2) 11		1.7			1310#	1441.
ALC		25/2	REVISED DAT		TED SHEAR	WED DAVE	,	EWA
IECK	EGB	ERT 6/29/62		EWA NO	05652		EC# 0302	5-652
PR					NO. 01		N 11	
PR	ļ					G COMPANY	17 8 8	D2-8008
		<u>, </u>		1,	THE DOCK	COMPANT	42	PAG
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NTRAC	T NO.						h,	F16 25

TIT		1-30	T-31	T-32	8-9 T-33	T-34	T- 25	Y-74
SEC	Ĉ.			DEG	REES FAHRI	ENHEIT-	1-22	1-30
1, 2, 1	c 7			1 ,				
421		1739.	1763.	1746.	1704.	1483*	1510.	1421
447.		1739.	1765.	1751.	1704%			1421
		1736.	1763.	1749.	1709.	1480.	1510.	1421
480.		1744.	1766.	1751.	1704.	1478	1510.	1418
496.	.37	1736.	1763.	1749.		1480. 1478. 1478.	1510.	
512.		1736.	1763.		17064	14784	1510-	1421
526.		1739.	1763.	1751.	1704.	1478.	1507.	1418
527.		1736.	1766.				15041	
528.		1736.	1763.			1478.		
529.	31	1739.	1763.	1751.	1704.	1475.		
530.	39	1739.	1763.	1746.	1704.	1475.	1606	1416
546.		1736.	1763.	1746.	1704.	1478	_	
562.			1763.	1751.	1704.	1480.		1418.
578.		1733.	1763.	1749.	1704.		1507.	1418.
595.		1733.	1763.		1704.	1480	1510.	1423.
	•			+ +	e*	1480.	1510.	1421.
511.				1746.	1706.	1483.	1510.	1421.
525.		1733.	1766.	1940			1507.	1421.
527.		1739.	1763.	1746.		1480.	1510.	1421.
528.		1736.	1766.		1706:	1480 +	1510.	1421.
529.	21	1736.	1763.	1746.	1704.	1480.	1510.	1418.
530.	29		1766.	1751.	1704.	1480.	1510.	1421.
546.			1763.	1749.	1704.	1480.	1510.	1421.
662.		1733.	1760.	1743.	1704.	1478.	1510.	1421.
78.		1733;	1760.	1749.	1706.	1480:	1537.	1421.
95.		1736.	1766.	1749.	1704.	1478.	1504.	1421.
111.	20	1739.	1760.	1749.	1706.	11.70	1614	1007
27.			1763.	1746.	1704.	14/00		1423.
43.			1763.	1749.			1504.	1421.
59.		1739.			1704.	1478	1510.	1421.
76.		1739.	1763.	1746.	1704.	1480.	1510.	1423.
104	U 7	11374	1763.	1732.	1706.	1480.	1510.	1423.
85.		1736.	1757.	1746.	1706.	1483.	1510.	1423.
86.1		1736.	1760.	1746.	1704.	1480.	15104	1423.
87.		1736.	1760.	1749.	1706.	1480.	1510.	1423.
89.1		1736.	1763.	1749.	1706.	1480.	1507.	1421.
90.	13	1739.	1760.	1749.	1706.	1483.	1510.	1421.
06.3	33	1733.	1760.	1749.	1704.	1485.	1510.	1423.
22.5		1736.	1763.	1749.	1706.	1485.	1510.	1423.
38.7		1733.	1763.	1749.	1704.	1485.	1510.	1423.
54.5		1736.	1766.	1749	1704	1483.	1510.	1421.
71.		1739.	1763.	1749.	1704	1480.	15074	1421.
	06/	25/2	REVISED D	ATE .	1		1 :	
IC .			1	1	ATED SHEAR		V	EWA 5-652
	H-GL	BERT 6/29/62	ļ		05652		EC. 0302	2-026
R	ļ				NO. 01		IN 11	Do 044
R						NG COMPANY		DZ-8008
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T	IME	3-9 T-30	4-9	7-9	8-9	3-10	4-10	7-10
	EC.			1-32	1-55	T - 314	T Z C	Y 7/
				DF	GREES FAHR	ENHEIT	***	******
	7.33	1739.	1763.	1751	1704.	11:00	1. 1507	3 11 00
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	7.73	1733.	1763.	1746.	1704	11.76	1510.	1418.
93	. 93	1736.	1763.	1749.		14/34	15104	1421
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968	3.33	1739	1763.	1751.	1704		4	ť.
1984	-53		1763.	1751.	17064	1475	1504.	
	.71	1739.	1763.	1751.	1704	1480#	1504.	
994	.79	1739.	1763.	1751.	1706.	1410	1510.	1418.
1995	.87	1736	1763.	1754.	1706.	1480.	1507. 1504.	1421.
996	. 95	1736.	13.0	ri 2 da - A	• •	1		1410.
	.03	1739.	1760.	1751.	1709.	1480.	1504.	. 1421.
	.23	1736.	1763.	1751. 1751.	1706.	1480.	1510.	1423.
	.43	1739.	1763.	1749.	1709.	1480.	1510.	1423.
	.63	1739.	1763.		1700	1480	1504.	
				,	1709.		1	· · · · · ·
	.83	1741.	1763.	1751.	1706.	1480.	1504.	1418.
	• 03 • 23	1741.	1100	1754	1709.	1485.	1504.	1423.
	• 43	1739.	1763.	1751.	1712.	1483.	1502.	1423.
	• 4.3	1739. 1739.		1751.	1712.	1483.	1504.	1423.
		1134.	1763.	1751.	1709.	1483.	1507.	1423.
143	. 83	1741.		17513	1709.	1480.	1507.	16.07
160		1744.	1763.	1754.		1485.	1507.	1423.
	. 23	1741.	1766.	1751	1715.	1485.	1504.	1426.
192		1744.	1766.	1751.	1712.	1485.	1504.	1426
208.	63	1744.	1763.	1751.	1715.	1483.	1504.	1423.
224	83	1747.	1763.	1754.	1716	1480.	100	4
241.	03	1750.	1769.	1754.	1715.	1480.		1418.
257.		1755.	1766.		1720	1480.		1423.
273.		1753.	1763.	1751.	1723	1480.		1426.
89.	63	1761.	1769.	1754.	1726.	1480.	1502. 1507.	1426. 1423.
0.6	0.7	4 49 4 4		1.		1	13014	1425
05.		1761 . 1755.	1763.	1751.	1726.	1480.	1504.	1423.
30.		1755.	1763.	1751.	1726.	1480.	1502.	1423.
63.		1753.	1763. 1763.	1751.	1720.	1480.	1504.	1421.
95.		1753.	1763.	1749.	1720.	1485.	1502.	1423.
		.,,,,,,,,	11024	1144	1720.	1483.	1510.	1423.
27.		1755.	1757.	1749.	1717.	1485.	1512.	1423.
60.		1741.	1741.	1729.	1712.	1480.	1502.	1423.
92.		1667.	1675.	1677.	1640.	1460.	1465.	1390.
25		1576.	1607.	2238.	1560.	1400.	1398.	1346.
57.	4 <i>f</i>	1525.	1554.	1565,	1507.	1351.	1350.	1305.
c	06/2	25/2	REVISED DA	TE .			.•	, d a
CK	ļ	ERT 6/29/67	i.	ORRUG	ATED SHEAR	WEB PANE	L	EWA 5/52
	- 1	7./100	1;	EWA NO	05652		EC. 0302	5-652
				COND.	NO. 01		N 11	D2-8008,
,			5 /		THE BOEIN	IG COMPANY		
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ONTRA	CT NO.				ys		1,	F16.26
APR	-			,	···	NG COMPANY		DZ-800S
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HECK		3ERT 6/29/67		CORRUGA	TED SHEAR	WEB PANE		5-652
ALC	1061	25/2	REVISED D	ATE	1 4 1	3	j	· · · ·
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581. 610.		630.0 614.2	688,5 672.7	68449 68626	627.4	460.5 444.8	454.8 439.1	459.8
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521. 5 51.		664.2 645.8	720.1	716.2	658.6 643.0	497.2 478.8	491.5 470.5	493.8 478.1
491.	21	0.086	735.9	734.5	676.8	515.5	512.4	512.1
431. 461.		714.1	772.1 754.2	770.5 752.8	715.9 695.1	554.8 533.9	554.2 533.3	546.0 527.8
							598.7	587.9
335. 367.		784.2 756.0	838.6 813.0	831.5 811.2	777.5 757.3	622.9 596.7	624.9	614.0
302	.67	804.6	861.6	859.5	800.2	649.1	679.8 651.0	668.9
237. 270.		850.6 825.0	910.2 887.2	912.8 884.9	850.8 82 5.5	709.3 677.9	708.5	697.6
					6			726.1
173 205		911.9 878.7	966.5 938.4	971.3 943.3	908.9 878.6	774.1	773.3 739.9	757.5
140	.67	942.6	994.6	999.2	941.8		854.6 811.4	818.5 788.0
075 108		1025. 980.9	1062.	1064.	1023.	883.6	892.7	843.9
				1079	1020:	893.8	895.3	856.
011		1032. 1025.	1090.	1094.	1033.	903.9	905.4	869.
5978	.67	1063.	1158.	1161. 1128.	1097. 1064)	939.6 919.2	938.5 918.1	917.5
5913 5946		1139.	1197.	1203.	1138.	980.3	979.1	. 955.
5881	,47	1195.	1233.	1241.	1187.	1037.	1036.	998.
5849	.07	1255.	1277.	1277.	1246.	1088.	1092.	1055 1040
5784 5816		1271.	1313. 1306.	1318. 1308.	1266.	1119.	1123.	1076
5751		1283.	1324.	1336.	1276.	1140.	1138.	1099
	47	1325.	1568.	1380.	1325.	1168.	1162.	1130
	.67	1465. 1382.	1471. 1417.	1478. 1429.	1450. 1379.	1282. 1220.	1285. 1218.	1225 1179
5622	2.27	1501.	1519.	1522.	1489:	1305*	1308.	1248
5589	87	1509.	1524.	:	1494.	1325.	1321.	1271
	C.			DEG	REES FAHRE	T-34 ENHEIT	1-35	T-36
TI	ME	T-30	T-31	T_ 72	8-9 T-33	# 21.	4-10	7-10

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	TIME SEC.	1-37	T-38	T-39	1-40	T-41	T-42	T-43
				DEC	REES FAHRE	NHEII	,	
	• 33 • 87	97.52 97.52	97.27		97.27		102.4	
	33.27	102.8	99.91	99.83 107.8			102.4	105.1
1	65.67 98.07	108-0	105.2	113.0	107-8	105.3	105.0	105.1
		113.3	110.5	115.7	107.8	107.9	105.0	107.7
	130.47	113.3	110.5	121.0	107.8	107.9	105.0	107.7
	162.87 195.27	115.9	110.5	118.3 121.0	105.2 128.9	107.9	105.0 110.3	107.7
	227.67	115.9	115.7	128.9	176.2	134.2	123.6	128.9
	260.67	121.1	121.0	139.4	220.7	163.1	144-7	150.0
	292-47	126.4	131.5	160.5	257.4	191.8	168.4	173.6
	324.87 357.27	134.3	139.5 152.6	178.9 194.6	294.6 319.1	220.5	194.7 221.0	202.5
	389.67	155.2	165.7	218.2	340.8	275.4		255.0
	422.07	165.6	178.8	241.8	359.9	302.3	270.9	276.0
	454.47	181.3	197.2	270.7	387.1	329.4	300.5	305.8
	486.87 519.27	202.2 220.4	218.1	297.6	432.1	362.0	333.3	338.5
	537.63	228.2	236.5 246.9	324.8 341.1	466.2 471.5	397.2	368.7 385.1	373.9 390.3
	905.91	329.1	346,3	403.6	362.6	380.9	419.8	422.2
	938.31	337.2	354.4	416.8	408.5	394.5	427.7	430.1
	970.71	356.2	368.0	437.8	484.6	431.3	448.7	453.7
- 1	003.11	367.0 377.8	384.4 400.6	466.7	531.8 558.0	467.9	477.7 506.6	432.6
- 1	067.91	396.7	416.4	514.0	576.4	528.1	530.3	508.9 537.8
١,	100.31	415.1	437.4	542.9	589.5	549.0	556.6	558.9
1	132.71		458.4	569.2	613.1	572.5	585.6	585.2
	165.11	451.7	479.3	592.8	639.3	598.7	609.2	614.1
	197.51	470.0 493.5	497.7 521.3	613.8	66249 689.2	624.9 648.4	638.2	640.4
			N.				664.5	666.7
	262.31 294.71	511.7	542.3	669.0	694.4	666.7	688.2	690.3
	327.11	530.0 543.1	560.7 576.4	684.7 692.6	665.6 652.5	669.3	696.1	698.2
1	359.51	556.1	586.9	697.9	636.7	661.5	704.0	703.5
	391.91	569.2	597:4	703.1	631.5	658.9	704.0	100.8
1	424.31	577.0	607.9	708.4	631.5	656.2	701.3	703.5
	456.71	584.8	615.8	711.0	634.1	656.2	698.7	700.8
	489 .11 521 .5 1	592.7	623.6 628.9	716.3 721.5	631.5	656.2 656.2	701.3	700.8
	553.91	608.3	631.5	721.5	649.8	661.5	701.3 704.0	700.8
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-	ALC 06/2		ALTISED DAI	1	TED SHEAR	WER PANE	1	EWA 5-652
-	PR EGBE	RT 6/29/62		EWA NO	05652	SP	EC. 0302	5-656
AI			1	COND.	NO. 01		IN 11	D2-80081
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1586.3 1618.7 1651.1 1683.5 1715.9	71 631.8 11 642.3 51 655.3	720.7 655.1 670.8 689.2 707.6	742.5 760.6 783.6 806.6 827.0	715.4 759.7 790.3 808.2 838.7	721.6	748.7 774.3 797.3	727. 750. 776. 804. 829.

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3398	.01	1078.	1118.	1202	1214.	1105.	12014	1291
3430.		1096.	1136.	1220.	1237.	1214	1204.	1309
3462		1121.	1162.	1254.	1278	1217.	1336.	1309
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3624.		1299.	1338.	1425.	1394.	1365.	1455.	
3657.	. 21	1353.	1384.	1469.	1428.	1398.	1486.	1493.
3689.			1420.	1500.	1469.	1432.	1523.	1535
3722.		1391.	1436.		1436.			1543
3754.			1436.	1505.	1492.	1460.	1555.	
3786.			1428.	1500.	1472.	1465.	1572.	
3819.	21	1371.	1420+	1497.	1516.	1494.	1598.	1613.
851.	61	1363.	1415.	1495.	1492.	1494.	1609.	1621.
884.	01	1358.	1412.	1492.	1492.	1491.	1615.	1624
916.		1358.	1410-	1492.	1490.	1491.	1615.	1624.
948.		1355.	1410.	1495.	1477.	1486.	1609.	1616.
981-		1355.	14 10 -	1497.	1482.	1489.	1609.	1616.
013.	41	1353.	16.10	1402	1482.	11:00	1404	
046.			1407.		11.02	1486.		1616.
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143.					· ·		1604.	1608.
1434	41	1353.	1405.	1495.	1477.	1481.	1598.	1608.
175.		1353.	1405.	1492.	1477.	1481.	1601.	1608.
208.		1353.	1407	1495.	1487.	1486.	1601.	1610.
240.		1358.	1410.	1495.	1480.	1486.	1604.	1613.
272.		1360.	1412.	1495.	1482.	1486.	1606.	1613.
305.	21	1360.	1412.	1495.	1480.	1483.	1604.	1613.
337.	61	1360.	1412.	1492.	1480.	1483.	1604.	1613.
370.	01	1360.	1410.	1489.	1477.	1486.	1604.	1613.
382.	97	1360.	1412.	1492.	1482.	1486.	1606.	1613.
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IECK		FRT 6/29/62	t		ATED SHEAR			5-652
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APR	per sa per per)	1-//0			NO. 05652 NO. 01		SPEC. 0302 Run 11	
APR				COND				02.
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1968		1360.	1410.		1484.	1485.	1489.	1604.	
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4994		1360.	14 10.		1487.	1482.	1496	1606.	16
1995		1360. 1360.	1410. 1410. 1410.	•	1484.	1482. 1482.	1491.	1606. 1606.	16
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5095.		1363.	1412.	1	484.	1480.	1486.	1604.	16
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5127		1360.	1412.	1	487.	1482.	1489.	1606.	16
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5241.		1358.	1412.		482.	1482.		1606.	16
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5330.		1358.	1412.		484.	1485.	1489.	1606.	16
5363.		1363.	1412.		487.	1480.	1489.	1606.	16
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5427.		1363.	1415.	1	489.	1482.	1486.	1606.	16
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5946.27	891.4	930.6	926.6	725.9	821.6	1012.	1006.
5978.67	0.668	905.1	908.7			966.0	965.3
6011.07	848.3	889.8				948.1	950.0
6043.47	830.5		898.5	808.2		943.0	947.4
3.41	620.2	871.9	885.7	820.9	836.8	943.0	947.4
6075.87	812.8	856.6	880.6	810.7	834.3	937.9	944.9
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6140.67	764.6	800.5	798.9	579.0	703.3		891.2
6173.07	738.9	770.0	765.7	537.0		843.3	845.3
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6270.27	660.6	689.2	666.4	455.7	549.0		719.2
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REVISED DATE CALC 06/25/2 EWA CORRUGATED SHEAR WEB PANEL
EWA NO. 05652 SPEC CHECK EGBERT. SPEC. 0302 RUN 11 APR APR THE BOEING COMPANY 6 4 7 1 CONTRACT NO.

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CONTRACT NO.

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FIG 269

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THE BOEING COMPANY

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1618.71 749.7 787.2 1651.11 782.9 822.7 1683.51 808.4 848.0 1715.91 836.4 875.9 1748.31 861.9 901.3 1780.71 897.6 939.3
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1618.71 749.7 787.2 1651.11 782.9 822.7 1683.51 808.4 848.0 1715.91 836.4 875.9
1618.71 749.7 787.2 1651.11 782.9 822.7 1683.51 808.4 848.0 1715.91 836.4 875.9
1618.71 749.7 787.2 1651.11 782.9 822.7 1683.51 808.4 848.0
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7-12 T-44 DEG F

TIME SEC.

8-12 T-45 DEG F

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SAEG A	Annual Property and Personal Property and Pe

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TI.		8-12 T-45 DEG F				
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3527, 3560, 3592, 3624, 3657,	01 1353. 41 1387. 81 1423.	1386: ,1391: 1429: 1465: 1496:	b .	P Par		
3689. 3722. 3754. 3786. 3819.	01 1493. 41 1519. 81 1525.	1541. 1520. 1570. 1554. 1597.	· · · · · · · · · · · · · · · · · · ·	• • •	* 5 * 1 * 1	* * *
3851. 3884. 3916. 3948. 3981.	01 1552. 41 1557. 31 1546. 21 1544.	1581. 1576. 1573. 1562. 1565.		,		•
4013.6 4046.0 4078.4 4110.8 4143.2	1546. 1546. 1546. 1546.	1568. 1568. 1568. 1554. 1560.	1 · · · · · · · · · · · · · · · · · · ·			,
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	0612512 CGBERT 1-/19/62	REVISED DATE	CORRUGATED SE EWA NO. 0565 COND. NO. 01	-, .	L EC. 0302 N 11	5-652
CONTRACT U6 5553 745			THE	BOEING COMPANY		62-805-1 F16 211

TI) SEC		7-1 T-1 DE(+ 4	8-12 1-45 DEG F					:
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ALC	106	/25/2	T	REVISED C	ATE	į ·	ŧ	,	EWA
					ORRU	GATED SHEAR	WEB PAN	NEL	4-1,000
łECK	EGI	SERT	6/29/67			NO 4 05652		SPEC - 0302	2-652
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PR .		14 L					NG COMPAN	UN 11	D2-820
PR		'			EWA N	0. 05652 NO. 01.		PEC. 0302	
HECK	EGREKT	6/29/62		-1		ATED SHEAR	4. 4		5-650
ALC	06/25/2	2	REVISED	DATE	4	1 .	, · · ·) ,	EWA
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63.		524	1570,				*	,	. , ,
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322.	03 15	57.	1576,	, l					27 - 13 28 - 28
305.		57.	1578		, L.,	6" (34) 13 (41)			* * * * **
289.	63 15	4 94	1573			4	• * *	14 3 3	. 1,
273	43 15	52.	1570.			•		•	
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143.		54. ·	1576.			St. W. W.		; ·	7, 5, 4, 1
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127.		49.	1568		: ·		127		
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046.		52.	1570		١	11 0 0 °) ' , '	for he as
030.		49.	1570		A . 1 . 1		1 1 1	1 1	3 7 3
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996.		49.	1570.		i i	4	17 18 18	1 1	21 .
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995.		52,	1568, 1573,		1 7 ,	, , ,	, b	1	2 4
993.		44.	1568	•	٠	1	3.66.	10 10	1 37 4
984	53 15	46.	1570,		• •	4	40.4	* * * * * * * * * * * * * * * * * * * *	2
968.	.33 15	46.	1568		3	1000	A V S.	3 7	1 10 1
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	-	5 F	UEG						
TIN SE	-	-44 EG #	T-45 DEG	•					

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(3)

TIME. SEC.	7-12 T-44 DEG F	8-12 T-45 DEG F					٠,
5589.87	1304.	1314.	* * t = 9	1 . 10 .	,	7.	
5654.67	1258	1326. 1221.	7.8.77,1	1.6		`	,
5687.07	1142.	1072.					
5719.47	1075,	1028.					•
5751.87	1072.	1059.					
5784.27	1082.	1095.					
5816.67	1093.	1106.					
5849.07 5881.47	1059. 961.4	1036.					
3001441	701.4	905.8					
5913.87	879.8	822.7			• 4		
5946.27	839.0	794.8	. •	. 4	1 8 .	•	· ()
5978.67	841.5	832.8		4 08	A	19 1.	4 9
043.47	851.7 861.9	860.7	1 1	tu-			
1043141	00147	878.5		,	1	1 1 4	1 .
6075.87	867.0	878.5		0 1	3 / 10 / 40	1 · 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5108.27	788.0	746.5	*	e •	'n		* 1
6140.67	720.9	668.2	1				1
6173.07	665.8	616.0					
5205-47	618.5	574.2	4 1	0.		,	• 2 4
6237.87	581.8	540.3		ř'	, ·	1 1	- **
5270.27	550.3	511.6		, 4			
6302.67	524.1	485.5	4		1 6	,	, * .
5335.07	500.4	467.2					
6367.47	479.4	446.4	1	41 1	•	. *	
5431.01	437.5	412.4			. 4	1	3 .
6461.00	416.5	388.5	1 4		**		
5491.21	395.3	364.2		4			
5521.33	376.3	348.0					
0551.15	357.2	329.0		,			à.
0581.14	343.6	318.2			· .		
6610.87	327.3	307.4		4	es. fe		
1	w 6. 7 4 d	20144	,	4	15	* *	\$ 0 J
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CALC	06/25/2	REVISED	DATE		,	EWA
CHECK	EGBERT 6/29/62	,		ORRUGATED SHEAR WEB		5.652
APR				EWA NO. 05652 COND. NO. 01	SPEC - 0302 RUN 11	
APR				THE BOEING CO		12-80081
				/ HE BOLING CC	ZIMIC AIN I	PAC
CONTRA	ACT NO.	1		,	7	F16 274

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TIME SEC.	1-2	5-2 0-02	6-2 0-03	1-3 D-04 Inches	2-3 D-05	5-3 0-06	6-3 D-07
.33 .87 33.27 65.67 98.07	0.009- 0.015- 0.013- 0.013-	0.001 0.005 0.009 0.003 0.001	0.001- 0.000- 0.001- 0.001-	i .	0.003-	0.001- 0.000	
130.47 162.87 195.27 227.67 260.07	0.009- 0.005- 0.013- 0.015- 0.013-	0.000 0.001 0.009 0.003 0.011	0.005- 0.001- 0.003- 0.007- 0.000	0.005 0.010 0.012 0.005 0.014	0.000 0.001 0.007 0.005 0.003	0.003- 0.001 0.003 0.005- 0.000	0.003- 0.001- 0.000
292.47 324.87 357.27 389.67 422.07	0.025- 0.019- 0.025- 0.017- 0.029-	0.009 .0.013 0.022 0.026 0.024	0.001 0.003- 0.005- 0.007- 0.009-	0.010 0.020 0.023 0.032 0.040	0.007 0.014 0.014 0.014 0.018	0.003 0.001- 0.003- 0.003- 0.003-	0.003 0.003 0.006 0.003 0.003
454.47 486.87 519.27 537.63 905.91	0.021- 0.025- 0.029- 0.025- 0.023-	0.035 0.047 0.048 0.054 0.056	0.009- 0.015- 0.013- 0.013- 0.013-	0.041 0.047 0.054 0.052 0.060	0.021 0.012 0.023 0.020 0.016	0.000 0.005- 0.001- 0.007- 0.017-	0.005 0.001 0.000 0.006 0.006
938.31 970.71 1003.11 1035.51 1067.91	0.027- 0.025- 0.025- 0.029- 0.035-	0.060 0.069 0.075 0.080 0.088	0.015- 0.017- 0.013- 0.019- 0.017-	0.061 0.072 0.080 0.078 0.090	0.021 0.021 0.023 0.023 0.029	0.023- 0.017- 0.011- 0.021- 0.023-	0.010 0.006 0.003 0.008 0.008
100.31 132.71 165.11 197.51 229.91	0.031- 0.027- 0.035- 0.039- 0.045-	0.095 0.099 0.103 0.099 0.116	0.019- 0.009- 0.019- 0.015- 0.015-	0.090 0.098 0.107 0.109 0.118	0.025 0.029 0.036 0.034 0.032	0.025- 0.027- 0.017- 0.025- 0.029-	0.008 0.008 0.008 0.012 0.012
262.31 294.71 327.11 359.51 391.91	0.047- 0.045- 0.039- 0.035- 0.041-	0.126 0.122 0.129 0.122 0.118	0.011- 0.013- 0.019- 0.019- 0.019-	0.118 0.119 0.121 0.125 0.130	0.036 0.029 0.036 0.029 0.036	0.029+ 0.036+ 0.034+ 0.034+	0.012 0.010 0.013 0.010 0.015
424.31 456.71 889.11 521.51 553.91	0.045-	0.118 0.124 0.127 0.129 0.120	0.019- 0.022- 0.020- 0.022- 0.019-	0.119 0.129 0.132 0.129 0.127	0.032 0.034 0.034 0.036 0.034	0.036- 0.038- 0.042- 0.038- 0.046-	0.013 0.015 0.015 0.012 0.017
	25/2 ENT (46/c) 9 7-6-67	REVISED DAT	ORRUGA	. 05652 10. 01		L EC. 0302 N 11	EWA 5-652 02-80:91
ONTRACT NO. 6 5553 7450				THE BOEIN	G COMPANY		PAGT FIG 275

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TII	ME D	-2 -0 I	5-2 D-02	6-2 0-03	1-3 D-04 INCHES	2-3 D-05	5-3 D-06	6-3 D-07
1								
1586 1618 1651 1683 1715	71 0 11 0 51 0 91 0	.035- .035- .045- .045-	0.135 0.141 0.135 0.144 0.148	0.019- 0.015- 0.019- 0.015- 0.011-	0.143 .ii 0.150	0.036 0.042 0.042 0.043 0.047	0.038- 0.042- 0.042- 0.036- 0.044-	0.013 0.012 0.017 0.017 0.018
1748. 1780. 1813. 1845. 1877.	31 0 71 0 11 0 51 0	039- 049- 045- 049-	0.161 0.165 0.176 0.178 0.186	0.009- 0.013- 0.019- 0.020- 0.015-	0.170 0.178 0.179 0.181 0.192	0.045 0.049 0.054 0.054 0.062	0.046- 0.050- 0.050- 0.054- 0.054-	0.017 0.017 0.017 0.017 0.017
1910. 2264. 2296. 2328. 2361.	31 0. 01 0. 41 0.	.049- .053- .055- .051- .053-	0.189 0.205 0.206 0.220 0.223	0.015- 0.026- 0.026- 0.030- 0.026-	0.199 0.221 0.229 0.239 0.241	0.060 0.060 0.065 0.069 0.071	0.058- 0.069- 0.067- 0.073- 0.077-	0.017 0.024 0.020 0.020 0.017
2393. 2426. 2458. 2490. 2523.	01 0. 41 0. 81 0. 21 0.	063- 061- 063- 069- 063-	0.227 0.240 0.246 0.250	0.022- 0.022- 0.026- 0.026- 0.026-	0.245 0.261 0.276 0.281 0.294	0.076 0.076 0.078 0.080 0.078	0.073- 0.077- 0.083- 0.085- 0.095-	0.024 0.020 0.024 0.024 0.022
2555. 2588. 2620. 2652. 2685.	61 0. 01 0. 41 0. 81 0.	061- 055- 059- 068-	0.267 0.282 0.287 0.304	0.019- 0.015- 0.020- 0.019- 0.026-	0.299 0.314 0.323 0.341 0.347	0.085 0.080 0.085 0.091 0.094	0.089- 0.097- 0.104- 0.104- 0.106-	0.024 0.022 0.034 0.030 0.029
2717. 2750. 2782. 2814. 2847.	03 0. 41 0. 81 0.	068- 076- 084- 084- 084-	0.317 0.315 0.319	0.026- 0.026- 0.030- 0.032- 0.034-	0.354 0.367 0.374 0.381 0.385	0.094 0.100 0.094 0.100 0.100	0.112- 0.112- 0.110- 0.120- 0.120-	0.029 0.030 0.034 0.036 0.034
2879. 2912. 2944. 2976.	01 0. 41 0. 81 0.	080- 096- 084- 074- 072-	0.327 0.325 0.300	0.041- 0.039- 0.028- 0.030- 0.034-	0.392 0.392 0.388 0.350 0.307	0.094 0.096 0.100 0.078 0.065	0.124- 0.116- 0.120- 0.128- 0.135-	0.034 0.030 0.036 0.039 0.046
3041. 3074. 3106. 3138.	01 0. 41 0. 81 0.	063- 061- 061- 051- 051-	0.233 0.223 0.223	0.036- 0.034- 0.024- 0.028- 0.026-	0.290 0.279 0.272 0.267 0.265	0.060 0.056 0.058 0.058 0.060	0.131- 0.122- 0.120- 0.106- 0.097-	0.044 0.043 0.041 0.041 0.041
CALC	06/25/	2	REVISED DATE					EWA
CHECK	EGBERT	6/29/62			TED SHEAR 05652		L EC. 0302	5-652
APR	CRAY	7-6-67		COND. N			V 11	
APR					THE BOEIN	G COMPANY		02-80031
				<u> </u>				PAC;
	T NO.			ſ				FIG 276

TIM	E D-	-2 -01		D-03	1-3 0-04 -INCHES	D-05	5-3 0-0 <i>6</i>	6-3 0-07
3203. 3236. 3268. 3300. 3333.	61 0. 01 0. 41 0. 81 0.	053- 047- 049- 059- 057-	0.227 0.227 0.227 0.242 0.238	0.020-	0.268 0.265 0.268 0.278 0.281	0.056 0.060 0.063 0.065	0.104- 0.102- 0.097-	0.037 0.027 0.027 0.027 0.027
3365. 3398. 3430. 3462. 3495.	01 0. 41 0. 81 0.	053- 061- 061- 063- 072-	0.259 0.263 0.274 0.280 0.280	0.022- 0.022- 0.026- 0.030- 0.022-	0.294 0.301 0.316 0.318 0.321	0.065 0.071 0.078 0.071 0.074	0.106- 0.114- 0.112- 0.114- 0.114-	0.024 0.025 0.024 0.029 0.025
3527. 3560. 3592. 3624. 3657.	01 0. 41 0. 81 0.	066- 084-	0.295 0.304 0.312	0.026- 0.030- 0.026- 0.034- 0.034-	0.345 0.352 0.358 0.374 0.390	0.078 0.080 0.084 0.085 0.093	0.114- 0.126- 0.122- 0.128- 0.131-	0.030 0.029 0.034 0.029 0.029
3689. 3722. 3754. 3786. 3819:	01 0. 41 0. 81 0.	080- 090- 084-	0.344 0.347 0.347 0.347	0.041-	0.394 0.399 0.407 0.414 0.419	0.091 0.091 0.094 0.091 0.094	0.135- 0.141- 0.143- 0.139- 0.141-	0.036 0.036 0.034 0.032 0.034
3851. 3884. 3916. 3948. 3981.	01 0. 41 0. 81 0.	086- 096- 102-	0.347 0.351 0.347	0:047- 0:049- 0:049-	0.412 0.419 0.421 0.419 0.423	0.093	0.147- 0.143- 0.143- 0.145- 0.151-	0.030 0.029 0.041 0.036 0.034
4013. 4046. 4078. 4110. 4143.	01 0.4 41 0.4 81 0.4	094- 094-	0.351 0.355 0.359	0.053- 0.051- 0.055-	0.421 0.425 0.430 0.430 0.437	0.089 0.093 0.085	0.155-	0.034 0.036 0.037 0.034 0.039
4175. 4208. 4240. 4272. 4305.	01 0. 41 0. 81 0.	102- 104- 104-	0.361 0.357 0.361	0.058- 0.057- 0.057-	0.437 0.443	0.094 0.094 0.094	0.155- 0.159- 0.159-	0.037 0.036 0.034 0.036 0.034
4337 4370 4382 4389 4415	01 0. 97 0. 17 0.	104- 100- 179-	0.357 0.364 0.359	0.060- 0.057- 0.127-	0.436 0.447 0.463	0.085 0.085 0.076	0.161- 0.168- 0.170-	0.030 0.034 0.030 0.017 0.012
CALC CHECK APR	06/25/2 EGBEKT CRAM	6/29/62	REVISED DATE	CORRUGAT EWA NO. COND. N	05652	WEB PANEL SPE RUN	C. 0302	EWA 5-652
APR	ŧ		, b.		THE BOEING	COMPANY		22-800S7
CONTRAC				,				F16 277

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4431			255~	0.340			0-470	0.065	0.178-	
4447			269 - 281-	0.336			* 0.467			0
4480			305-	0.336		241-	0.468	0.054		0
1496			328-	0.317		.279-	0.457	0.054		C
4512.			281-	0.347		.243-	0.483	0.054	0.172-	0
4526. 4527.			273 - 2 73-	0.342 0.346		.228-	0.479	0.056	0.186-	0.
1528			265-	0.344		.233-	0.483	0.062	0.186- 0.192-	0
4529	.31		263-	0.347		.228-	0.481	0.054	0.190-	0
1530.			269-	0.347	_	.224-	0.481	0.060	0.188-	0
4546. 4562.			291 - 334-	0.327		.247-	0.479 0.454	0.056	0.186-	0.
1578			338-	0.319		.298-	0.454	0.049	0.170- 0.176-	0.
1595			360-	0.312		.304-	0.452	0.047	0.168-	0
4611.			309-	0.336		-266-	0.476	0.052	0.195-	0.
1625			275-	0.351		233-	0.488	0.051	0.190-	0.
4627. 4628.			-189 -189	0.351		.235-	0.487 0.485	0.054	0.190- 0.188-	0.
4629.			83-	0.344		235-	0.477	0.054	0.186-	0.
+630.			281-	0.346		239-	0.479	0.058	0.197-	0.
1646.			93-	0.336		-254-	0.476	0.051	-481-0	Û.
4662. 4678.			18- 142-	0.314		.285 -	0.465	0.043	0.184- 0.176-	0.
1645			58-	0.312		.313-	0.454	0.040	0.174-	0.
+711=			72-	0.308		.332-	0.450	0.038	0.168-	0.
47273			85-	0.306		334-	0.447	0.036	0.168-	0.
4743. 4759.			81 -	0.312		.330- .294-	0.450 0.470	0.038	0.170- 0.182-	0.
4776.			99-	0.342		254-	0.479	0.051	0.192-	0.
1785.			85-	0.344		.252-	0.487	0.056	0.197-	0.
1786.			91-	0.355		252-	0.483	0.049	0.201-	0.
4787. 4789.			83 - 91-	0.353		·247-	0 • 4 9 4 0 • 4 9 4	0.054 0.054	0.197-	0.
1790.			89-	0.344		248-	0.494	0.054	0.192-	0.
+806.	33	0.2	87-	0.351		258-	0.488	0.054	0.195-	0.
+822.		0.3		0.344		269-	0.479	0.052	0.193-	0.
4838. 4854.		0.3	30-	0.329		.288 - .307-	0.474 0.468	0.047	0.190- 0.180-	0.
4871.		0.3		0.302		330-	0.457	0.034	0.170-	0.
CALC	06/2	25/2		REVISED	DATE					E
CHECK	FGE	ERT	6/29/62		(ATED SHEAR 0. 05652		NEL SPEC. 0302	5
APR	CRA		7-6-67				NO. 01		RUN 11	İ
APR					′.			IG COMPA		112
		,4			'h					PAC
CONTRA	CT NO.									2.500

1996.95	0.361 0 0.344 0 0.344 0 0.334 0		0.488 0.497 0.487 0.481 0.477	0.049 0.045 0.045 0.043 0.040	0.195- 0.197- 0.205- 0.197- 0.192-	0.006 0.001 0.005 0.000- 0.007-
5079.03 0.395- 5095.23 0.423- 5111.43 0.425- 5127.63 0.433- 5143.83 0.450-	0.300 0 0.291 0 0.291 0 0.285 0	347- 374- 385- 395-	0.447 0.427 0.427 0.421	0.032 0.032 0.027 0.025	0.172- 0.172- 0.166- 0.166-	0.014- 0.017- 0.015- 0.021-
5160.03	0.278 0 0.280 0 0.278 0 0.276 0	.412- .414- .421- .425-	0.414 0.416 0.410 0.410	0.023 0.025 0.021 0.021	0.161- 0.161- 0.161- 0.155-	0.021- 0.015- 0.021- 0.026-
0.501- 0.505- 0.505- 0.511- 0.527-	0.265 0 0.268 0 0.272 0 0.268 0	.446- .459- .463- .473-	0.403 0.398 0.405 0.405	0.023 0.018 0.016 0.021	0.155- 0.157- 0.159- 0.153-	0.026- 0.022- 0.028- 0.026-
305.83	0.267 0 0.267 0 0.355 0 0.359 0	.488- .488- .281- .275-	0.396 0.401 0.403 0.492 0.496	0.014 0.047 0.049	0.151- 0.151- 0.147- 0.199- 0.209-	0.026- 0.029- 0.026- 0.010 0.008
427.87 0.305- 460.27 0.305- 492.67 0.293- 525.07 0.301- 557.47 0.291-	0.357 0 0.349 0 0.310 0	.273- .266- .258-	0.496 0.494 0.476 0.441 0.434	0.047 0.032 0.027	0.205- 0.203- 0.209- 0.201- 0.193-	0.006 0.006 0.010 0.013 0.013
CALC: 06/25/2 CHECK EGRERT 4296	REVISED DATE	CORRUGAT		WEB PANEL	C. 0302	EWA 5-65.

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TIME SEC.	1-2 D-01	5-2 0-02	6-2 0-03	1-3 D-04 INCHES	2-3 D-05	5-3 D-06	6-3 0-07
			1	1.401123			
5589.87	0.275-	0.299	0.254-	0.421	0.029	0.193-	0.013
5622.27	0.277-	0.293	0.250-	0.410	0.032		
5654.67	0.271-	0.297	0.239-	0.399	0.027	1 0.188-	0.013
5687.07	0.259-	0.267	0.243-	0.370	0.021	0.190-	0.010
5719.47	0.253-	0.261	0.241-	0.363	0.021	0.205-	0.025
				0.505	04023	0.192-	0.020
5751.87	0.255-	0.246	0-228-	0.354	0:025	0.186-	0 000
5784.27	0.238-	0.253	0.220-	0.347	0.025		0.022
5816.67	0.198-	0.246	0.182-	0.310	0.032	0.182-	0.017
5849.07	0.181-	0.238	0.171-	0.303	0.032	0.153-	0.018
5881.47	0.188-	0.221	0.169-	0.278		0.157-	0.020
		, , , ,	00107	0.210	0.020	0.161-	0.020
5913.87	0.183-	0.216	0.174-	0.272	0.014	0 100	0.000
5946.27	0.181-	0.201	0.180-	0.265	0.014	0.155-	. 0,020
5978.67	0.181-	0.201	0.178-	0.263		0.155-	0.024
6011.07	0.177-	0.199	0.171-	0.256	0.016	0.151-	0.024
6043.47	0.181-	0.197	0.173-	0.252	0.014	0.147-	0.017
			0.410-	04232	0.018	0-143-	0.013
6075.87	0.143-	0.193	0.142-	0.234	A A10	A 101	
6108.27	0.143-	0.184	0.134-		0.018	0.126-	0.017
6140.67	0.139-	0.173	0.134-	0.229	0.011	0.133-	0.013
6173.07	0.143-		0.134-	0.210	0.003	0.133-	0.013
6205.47	0.137-	0.154		0.189	0.003	0.128-	0.017
	0 1 1 3 1	, ,	0.140-	0.189	0.000	0.126-	0.015
6237.87	0.141-	0.150	0.144-	0 120			
6270.27	0.145-	0.142		0.178	0.003-	0.122-	0.006
6302.67	0.153-	0.142	0.148-	0.174	0.000	0,120-	0.008
6335.07	0.141-	0.137	0.148-	0.169	0.001-	0.112-	0.006
6367.47	0.157-	0.124	0.142-	0.165	0.009-	0.116-	0.008
301.41	0.5 1.71	0.124	0.153-	0.159	0.003-	0.102-	0.006
6431.01	0.149-	0 114	0 157	0 110			1
5461.00	0.149-	0.114	0.153-	0.149	0.007-	0.102-	0.003
6491.21	0.149-	0.099	0.152-	0.141	0.009-	0.100-	0.006
6521.33		0.105	0.146-	0.136	0.011-	0.100-	0.003
	0.143-	0.101	0.153-	0.130	0.009-	0.089-	0.006
6551,15	0.151-	0.095	0.150-	0.123	0.013-	0.091-	0.003
4501 11.	A 11.5						
6581.14	0.145-	0.088	0.150-	0.121	0.011-	0.087-	0.006
5610.87	0.143-	0.084	0.150-	0.116	0.011-	0.085-	0.003
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CHECK	EGBERT	6/29/67	,		ORRUGATED SHEAR WEB PANEL	EWA 5-652
APR		7-6-67			EWA NO. 05652 SPEC. 0302	1000
APR			e a		COND. NO. 01 RUN 11	
			11 11		THE BOEING COMPANY	D2-800
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4447.77 0.094- 197.2 687.3 4463.97 0.099- 199.9 853.4 4480.17 0.085- 197.2 1072. 4496.37 0.083- 197.2 1344.		
1447.77 0.094- 197.2 687.3 4.1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		,
1447.77 0.094- 197.2 687.3 4.1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 0.083-	
1447-77 0.094- 197-2 687-3 4 4 4 4 4 1 1 1 1 1 1	7 0.085-	
1431.57 0.098- 194.6 626.9 + 3.5		' 1'
	7 0.098-	
SEC. INCHES DEG F POUNDS		
1-4 3-4 2-4 TIME 0-08 T-46 L-01		•

395

CONTRACT NO. U6 5553 7450

TIME D-08 SEC. INCHES	3-4 T-46 DEG F	2-4 L-01 POUNDS	H 4.			•
4887.33 0.067- 4903.53 0.067- 4919.73 0.070- 4935.93 0.067- 4952.15 0.085-	210.4 213.0 213.0 215.6 213.0	2334. 2515. 2779. 2719. 1548.	1:11 7	er kaj ki kaj ■ .		1 15
4968.33 0.098- 4984.53 0.114- 4993.71 0.116- 4994.79 0.112- 4995.87 0.114-	213.0 215.6 213.0 213.0 213.0	709.9 211.5 166.2 166.2 181.3				
4996.95 0.112- 4998.03 0.114- 5014.23 0.118- 5030.43 0.110- 5046.63 0.105-	215.6 215.6 215.6 215.6 215.6	166.2 173.7 271.9 687.3	* (₹	\$ f :	. b u - 3	
5062.83 0.090- 5079.03 0.076- 5095.23 0.063- 5111.43 0.065- 5127.63 0.063-	215.6 215.6 218.2 218.2 218.2	1609. 2183. 2764 2968 3149.		7"	1 1 / 2 / 1	, ,
5143.83 0.056- 5160.03 0.054- 5176.23 0.056- 5192.43 0.060- 5208.63 0.052-	218.2 218.2 220.9 218.2 218.2	3285, — 3451. — 3421. — 3603. — 3655.	4		7 x	1 p
5224.83	218.2 220.9 223.5 223.5 223.5	3905. — 3980. 4109. 4033. 4222.	9 1 2 1	3 W 3	δ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5305.83	220.9 220.9 223.5 223.5 223.5	4320. Uest 4244. — 4214. 75.52- 83.08-			* · · · · · · · · · · · · · · · · · · ·	
0.132- 0.460.27	226.1 226.1 228.7 228.7 228.7	105.7- 90.63- 98.18- 90.63- 105.7-		1	or the state of th	
CALC 06/25/2 CHECK EGBERT 6/29/62 APR CIRAM 7-6-62	REVISED D	ORRUGAT EWA NO. COND. N	05652		EC. 0302	EWA 5-65
APR) () () () () () () () () () (THE BOEIN	NG COMPANY		p.7-800 FIG 28

THE PROMEET BUSINESS FORMS

TIME SEC.	1-4 D-08 Inches	3-4 T-46 DEG F	2-4 L-01 POUNDS
5589.87	0.127-	228.7	90.63-
5622.27	0.121-	228.7	98.18-
5654.67	0.118-	228.7	105.7-
5687.07	0.129-	228.7	98.18-
5719.47	0.125-	228.7	120.8-
5751.87	0.119-	228.7	113.3-
5784.27	0.116-	228.7	105.7-
5816.67	0.109-	226.1	90.63-
5849.07	0.110-	226.1	90.63-
5881.47	0.105-	223.5	120.8-
5913.87	0.107-	223.5	113.3-
5946.27	0.109-	223.5	105.7-
5978.67	0.107-	223.5	105.7-
6011.07	0.109-	223.5	98.18-
6043.47	0.098-	223.5	105.7
6075.87	0.096-	220.9	105.7-
6108.27	0.09 ¹ -	220.9	105.7-
6140.67	0.092-	218.2	113.3-
6173.07	0.090-	218.2	113.3-
6205.47	0.087-	215.6	105.7-
6237.87	0.089-	218.2	90.63-
6270.27	0.085-	215.6	98.18-
6302.67	0.080-	213.0	120.8-
6335.07	0.076-	213.0	98.18-
6367.47	0.078-	213.0	113.3-
6431.01	0.074-	207.7	105.7-
6461.00	0.069-	207.7	113.3-
6491.21	0.069-	207.7	113.3-
6521.33	0.072-	205.1	98.18-
6551.15	0.065-	205.1	113.3-
6581.14	0.060-	202.5	105.7 -
6610.87	0.060-	202.5	98.18-

CALC	06/25/2		REVISED	DATE	CORRUGATED SHEAR WEB PANEL	EWA 5652
		7-6-2			EWA NO. 05652 SPEC. 0302 COND. NO. 01 RUN 11	D2-80081
APPD					THE BOEING COMPANY	FIG. 286

U3 4036 3000

REQ 10388

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